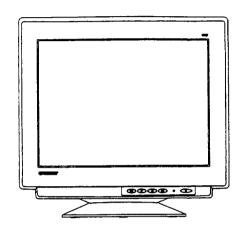
Service Manua

Multi -Scan Color CRT Display MODEL V115-2 Ver.1.0 (M-D1F63QUL)

Chassis No. HV10S

Chassis Family No.VCDTS21367-2



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OPTIQUEST®

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.

It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians.

Any attempt to service or repair the product or products dealt within this service information by anyone else could result in serious injury or death.

SAFETY PRECAUTIONS

1 CAUTION:

No modification of any circuit should be attempted. Service work should only be performed after you are thoroughly familiar with all of the following safety checks and servicing guide lines.

2 SAFETY CHECK

Care should be taken while servicing this CRT display because of the high voltage used in the deflection circuits. These voltages are exposed in such areas as the associated flyback and yoke circuits.

3 FIRE & SHOCK HAZARD

- 3-1 Insert an isolation transformer between the CRT display and AC power line before servicing the chassis.
- 3-2 In servicing pay attention to original lead dress especially in the high voltage circuit. If a short circuit is found, replace all parts which have been overheated as a result of the short circuit.
- 3-3 All the protective devices must be reinstalled per original design.
- 3-4 Soldering must be inspected for possible cold solder joints, frayed leads, damaged insulation, solder splashes or sharp solder points. Be certain to remove all foreign material.

4 LEAKAGE CURRENT COLD CHECK

- 4-1 Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 4-2 Turn the CRT display power switch "on".
- 4-3 Measure the resistance value with an ohmmeter between the jumpered AC plug and each exposed metallic part on the CRT display such as the metal frame, screwheads, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be 1.8 megohm minimum.

5 LEAKAGE CURRENT HOT CHECK

- 5-1 Plug the AC cord directly into the AC outlet. Do not use an isolation transformer during this check.
- 5-2 Connect a 1500 ohm, 10 watt resistor, paralleled by a 0.15µF capacitor between each exposed metallic part and a good earth ground (as shown in Fig.1).
- 5-3 Use an AC voltmeter with 1000 ohm/volt or more sensitivity and measure the AC voltage across the combination 1500 ohm resistor and $0.15\mu F$ capacitor.
- 5-4 Move the resistor connection to each exposed metallic part and measure the voltage.
- 5-5 Reverse the polarity of the AC plug in the AC outlet and repeat the above measurement.
- 5-6 Voltage measured must not exceed 7.5 volt RMS, from any exposed metallic part to ground A leakage current tester may be used in the above hot check, in which case any current measured must not exceed 5.0 milliamp. In the case of a measurement exceeding the 5.0 milliamp value, a rework is required to eliminate the chance of a shock hazard.

Note: High voltage is present when this CRT display is operating. Always discharge the anode of the picture tube to the display chassis to prevent shock hazard.

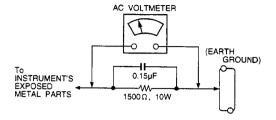


Fig.1

6 IMPLOSION PROTECTION

Picture tubes are equipped with an integral implosion protection system, but care should be taken to avoid damage and scratching during installation. Use only Panasonic replacement picture tubes.

7 X-RADIATION

WARNING: The only potential source of X-Radiation is the picture tube. However when the high voltage circuitry is operating properly there is no possibility of X-Radiation problem. The basic precaution which must be exercised is to keep the high voltage at the following factory-recommended level.

Note: It is important to use an accurate periodically calibrated high voltage meter.

- 7-1 The procedure for adjustment high voltage is as shown on page 23.
- 7-2 If can not be adjust 27.0 kV at immediate sevice is required to prevent the possibility of prenature component failure.
- 7-3 To prevent X-Radiation possibility it is essential to use the specified picture tube.

IMPORTANT SAFETY NOTICE

There are special components used in this CRT displays which are important for safety. The se parts are identified by the international symbol Δ on the schematic diagram and on the replacement parts list. It is essential that the se critical parts should be replaced with manufacture's specified parts to prevent X-RADIATION, shock, fire or other hazards. Donot modify the original design or this will void the original parts and labor guarantee.

GENERAL INFORMATION—

1. OUTLINE

This monitor is 21 inch (20.0viewable) multi-scan color CRT display with the following features.

IIC Bus Micro processor & Enhanced OSD are newly introduced, which optimize the function.

2. FEATURES

2-1 SSP-Lite LSI (Advanced Super Signal Processor) mounted

Precise wave forms are generated for the correction of each geometric distortion.

2-2 Power Saving

Built-in Power Saving function based on VESA-DPMS standard.

Power energy shall be saved by controlling the circuit in accordance with power saving signal from computer.

2-3 OSD (on screen display) function

OSD (5 languages & multi location) is new and excellent man-machine interface.

Anyone is able to set up the picture as he likes through icon & four keys in front bezel.

2-4 Self Test function

Self testing picture comes out by pushing any key in the case of no-connection with computer or power saving operation.

This function shows if monitor is alive or not and can be used for self aging test.

2-5 Ergonomic design

- Low emission design to meet MPR II & TCO'92
- ESF (Electro static field) free coating on CRT

· Tilt & swivel stand is mounted

2-6 Multi scan with digital technology

8 bit micro computer controls the circuit operation to meet with wide range signal of f_H=30~92 kHz and f_V =50~180 Hz.

So VGA, SVGA, XGA(1024x768), SXGA (1280x1024) are applicable.

2-7 1 Factory presets, (+7 Reservation), 13 user memories.

- 1 standard mode is preset at the factory.
- 7 modes are reserved at the factory.
- 13 user memories are available to set the user's own timing and display information.

2-8 Flat Face and fine dot pitch

Flat face CRT with fine dot pitch of 0.25 mm (Horizontal:0.218mm / Vertical:0.130mm)gives a crispy and comfortable sight of the screen.

2-9 Superior display performance

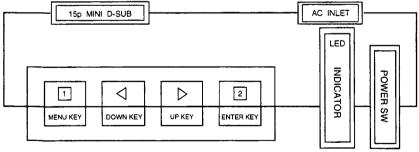
- Good focus by sophisticated gun and dynamic focus circuit
- High contrast
- Minimized distortion by digital correction circuit
- Good convergence
- · Users enjoy full scan image for graphics.

2-10 Special function

- VESA DDC1/2B (Display Data Channel) compatible
- · Rotation control circuit
- Multi color:9300k, 7500k & 6500k & 5000k are preset at the factory
- MOIRE Reduction circuit

SPECIFICATION -

1. DIAGRAM



- 1.1 POWER SW, LED, 11-key (MENU), <1-key (DOWN), > -key (UP), and 2-key (ENTER) are located on the front panel.
- 1.2 Signal cable and AC inlet are located on the back side of the cabinet.
- 1.3 OSD menu includes the following function.

CONTRAST **GEOMETRY** **BRIGHTNESS ROTATION**

SIZE & POSITION COLOR SELECT

RECALL V.MOIRE

VIDEO INPUT LEVEL HIMOIRE LANGUAGE

OSD POSITION

DEGAUSS

SIGNAL

- **) CONTRAST can be directly controlled with $\triangleleft / \triangleright$ -key.
- *) With sync signal, OSD menu appears by pushing 1-key and 2-key. Without sync signal, self test menu appears by pushing any key.
- * Size & Posi·········H.POSITION, H.SIZE, V.POSITION, V.SIZE
- ※) GEOMETRY……V.PINCUSHION/ BALANCE, TRAPEZOID, PARALLELOGRAM
- *) Video clamp pulse phase can be changed by simultaneously operation for 1 and 2 key.

2. MECHANICAL SPECIFICATIONS

..... refer to the attached drawing

2.1 Dimension Height: 487 mm (19.2") (typ.)

Width: 505 mm (19.9") (typ.) Depth: 519 mm (20.4") (typ.)

2.2 Net Weight : 27.5 Kg (60.5lbs) (typ.)

2.3 Maximum Viewable Phosphor Display Area:

: 508mm (20.0") (typ.)

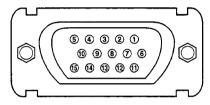
3. CONNECTORS

3.1 Signal connector:

15P Mini D-Sub

3.2 AC inlet: CEE 22 typed connector

<15P Mini D-Sub 15P PIN assignment>



 1 ... RED
 6 ... GROUND
 11 ... GROUND

 2 ... GREEN
 7 ... GROUND
 12 ... SDA (DDC)

 3 ... BLUE
 8 ... GROUND
 13 ... H. SYNC.

 4 ... GROUND
 9 ... - (OPEN)
 14 ... V. SYNC.

 5 ... GROUND (DDC)
 10 ... GROUND
 15 ... SCL (DDC)

4. CRT SPECIFICATIONS

Part No.	M51KYY540X
Туре	21", 90°, 29ø.in-line gun (Viewable20.0"),
Dot Pitch	Hrizontal:0.218mm/Vartical:0.130mm
Phosphor	R, G, B short persistence(Hi-Eu RED)
	Red x=0.635 typ, y=0.333 typ
	Green x=0.280 typ, y=0.595 typ
	Blue x=0.152 typ, y=0.063 typ
Bulb	DARK TINT
Face coating	NEW AGRAS COAT
Total Transmission	39.5%

5. ELECTRICAL SPECIFICATIONS

5.1 Standard conditions ... Except special items

	the state of the s
Display image	Green, full "H" characters with a border
	line. (7 x 9 dots)
	Video signal: 100% duty
	Display area : 392 mm x 294 mm
Video signal level	0.7 V pp
Contrast, Brightness	Contrast : Max., Brightness : detent point
Ambient Temperature	20±5°C (68 ± 9°F)
Input Voltage	AC 120 V, 60 Hz or AC 220 V, 50 Hz
Terrestrial magnetism	Vertical field : northern hemisphere field 40µT Horizontal field : no field
Viewing direction	Parallel to the CRT axis
Measurements	After an initial warming up time of more than 30 minutes.
Ambient light	200±50 IX
Display mode	1024 x 768 (60.02 kHz, 75.03 Hz)

5.2 POWER

5.2.1 Power supply ... Commercial power source

Input voltage	AC 90 - 132 V, AC 198 - 2	64 V
Power frequency	50 Hz ± 3 Hz, 60 Hz ± 3 Hz	
Input current	2.7 A Max. (100 V)	
Inrush current (at 20° C)	40 A op note:Cold	Start
Power consumption	145 W Typ.160 W max.(AC	100V)

5.2.2 Power Management for Power Saving ...

Power saving system is designed based upon VESA DPMS standard (Version : 1.0)

1) Power consumption and recovery time.

*1 APM	SIGNALS		MONITOR POWER	RECOVERY TIME	INDICATOR	
State	H. Sync	V. Sync	VIDEO	CONSUMP- TION	TO ON STATE	INDICATOR
ON	*3 NOR- MAL	*3 NOR- MAL	*2 ACTIVE	*4 100%		Green
STAND- BY	No Sync or *5 < 10 Hz	> 40 Hz	BLANK	< 15 W	< 4 sec.	Yellow
SUS- PEND	>10 kHz	No Sync or *5 < 10 Hz	BLANK	< 15 W	< 4 sec.	Yellow
OFF	No Sync or *5 < 10 Hz	No Sync or *5 < 10 Hz	BLANK	< 4 W	< 20sec	Yellow

^{**} The transition time from ON state to each APM states is 5 seconds minimum.

*1: APM: Advanced Power Management.

*2 : Measyrement Condition of power consumption for ON state :

DISPLAY IMAGE : WHITE full "H" characters (7 \times 9 dots).

*3: NORMAL: See "5.4 ACCEPTABLE TIM ING".

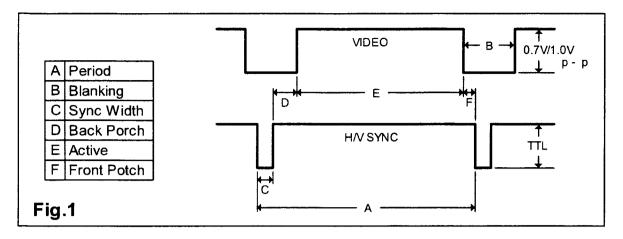
*4: Power Consumption is measured at AC 100-240V. (Note:3w Typ. at AC 230V/50Hz)

*5: Power saving operation is done at least less than specified value in the list.

5.3 Standard timing (Standard mode)

- Following 1 mode is preset in the men ory as standard timing at the factory and 7 modes are reserved.
- Fig-1 shows a definition of timing and signal evel.
- Electrical performance is specified This SPECIFICATION is specified at STD (1024 x 768) mode unless otherwise mentioned.

TIMING CHART



	PRESET	RESERVATION	RESERVATION
	MODE - 1	MODE - 2	MODE - 3
	1600 × 1200 (75)	640 × 480 (60)	640 × 480 (75)
DOT CLOCK	202.5000 MHz	25.1750 MHz	31.5000 MHz
fH	93.7500 kHz	31.4688 kHz	37.5000 kHz
A - PERIOD	10.667 µs (2,160 dots)	31.778 µs (800 dots)	26.667 μs (840 dots)
B - BLANKING TIME	2.765 µs (560 dots)	6.356 µs (160 dots)	6.349 µs (200 dots)
H C - SYNC WIDTH	0.948 µs (192 dots)	3.813 µs (96 dots)	2.032 µs (64 dots)
D - BACK PORCH	1.501 µs (304 dots)	1.907 µs (48 dots)	3.810 µs (120 dots)
E - ACTIVE TIME	7.901 µs (1,600 dots)	25.422 µs (640 dots)	20.317 µs (640 dots)
F - FRONT PORCH	0.316 µs (64 dots)	0.636 µs (16 dots)	0.508 µs (16 dots)
f V	75.0000 Hz	59.9405 Hz	75.0000 Hz
A - PERIOD	13.333 ms (1,250 lines)	16.683 ms (525 lines)	13.333 ms (500 lines)
B - BLANKING TIME	0.533 ms (50 lines)	1.430 ms (45 lines)	0.533 ms (20 lines)
V C - SYNC WIDTH	0.032 ms (3 lines)	0.064 ms (2 lines)	0.080 ms (3 lines)
D - BACK PORCH	0.491 ms (46 lines)	1.049 ms (33 lines)	0.427 ms (16 lines)
E - ACTIVE TIME	12.800 ms (1,200 lines)	15.253 ms (480 lines)	12.800 ms (480 lines)
F - FRONT PORCH	0.011 ms (1 lines)	0.318 ms (10 lines)	0.027 ms (1 lines)
SYNC POLARITY(H/V)	Positive / Positive	Negative / Negative	Negative / Negative

		RESERVATION	RESERVATION	RESERVATION
		MODE - 4	MODE - 5	MODE - 6
		800 × 600 (75)	1024 × 768 (75)	1024 × 768 (75)
	DOT CLOCK	49.5000 MHz	78.7500 MHz	80.0000 MHZ
	fH	46.8750 kHz	60.0229 kHz	60.2410 kHz
	A - PERIOD	21.333 µs (1,056 dots)	16.660 µs (1,312 dots)	16.600 µs (1,328 dot≤)
	B - BLANKING TIME	5.172 µs (256 dots)	3.657 µs (288 dots)	3.800 µs (304 dot≤s)
H	C - SYNC WIDTH	1.616 µs (80 dots)	1.219 µs (96 dots)	1.200 µs (96 dots)
	D - BACK PORCH	3.232 µs (160 dots)	2.235 µs (176 dots)	2.200 µs (176 dot ≲)
	E - ACTIVE TIME	16.162 µs (800 dots)	13.003 µs (1,024 dots)	12.800 µs (1,024 d๙≤)
	F - FRONT PORCH	0.323 µs (16 dots)	0.203 µs (16 dots)	0.400 µs (32 dot ≲)
	fV	75.0000 Hz	75.0286 Hz	74.9266 Hz
	A - PERIOD	13.333 ms (625 lines)	13.328 ms (800 lines)	13.346 ms (804 line≤)
	B - BLANKING TIME	0.533 ms (25 lines)	0.533 ms (32 lines)	0.598 ms (36 lin∌≤s)
V	C - SYNC WIDTH	0.064 ms (3 lines)	0.050 ms (3 lines)	0.050 ms (3 lin ₈ ≤5)
	D - BACK PORCH	0.448 ms (21 lines)	0.466 ms (28 lines)	0.498 ms (30 line⊜)
	E - ACTIVE TIME	12.800 ms (600 lines)	12.795 ms (768 lines)	12.749 ms (768 lin ₈ ≤)
	F - FRONT PORCH	0.021 ms (1 lines)	0.017 ms (1 lines)	0.050 ms (3 lin₅≤)
	SYNC POLARITY(H/V)	Positive / Positive	Positive / Positive	Negative / Negative

	RESERVATION	RESERVATION		
	MODE - 7	MODE - 8		
	MAC 1152 × 870 (75)	1280 × 1024 (75)		
DOT CLOCK	100.0000 MHz	135.0000 MHz		
fH	68.6813 kHz	79.9763 kHz		
A - PERIOD	14.560 µs (1,456 dots)	12.504 µs (1,688 dots)		
B - BLANKING TIME	3.040 µs (304 dots)	3.022 µs (408 dots)		
H C - SYNC WIDTH	1.280 µs (128 dots)	1.067 µs (144 dots)		
D - BACK PORCH	1.440 µs (144 dots)	1.837 µs (248 dots)		
E - ACTIVE TIME	11.520 µs (1,152 dots)	9.481 µs (1,280 dots)		
F - FRONT PORCH	0.320 µs (32 dots)	0.119 µs (16 dots)		
f V	75.0616 Hz	75.0247 Hz		
A - PERIOD	13.322 ms (915 lines)	13.329 ms (1,066 lines)		
B - BLANKING TIME	0.655 ms (45 lines)	0.525 ms (42 lines)		
V C - SYNC WIDTH	0.044 ms (3 lines)	0.038 ms (3 lines)		
D - BACK PORCH	0.568 ms (39 lines)	0.475 ms (38 lines)		
E - ACTIVE TIME	12.667 ms (870 lines)	12.804 ms (1,024 lines)		
F - FRONT PORCH	0.044 ms (3 lines)	0.013 ms (1 lines)		
SYNC POLARITY(H/V)	Negative / Negative	<u> </u>		

	ADJI	ADJUSTMENT		ADJUSTME	NT	ADJUSTME	NT
		HV10S -	- 1	HV1	0S - 2	HV10	OS - 3
DOT CLO	CK	22.590	0 MHz	91	.6240 MHz	160	0.6320 MHz
f H		29.110	8 KHz	52	2.1777 KHz	75	.2022 KHz
A - PERIO	D 34.:	351 μs (776 dots)	19.165 µs	(1,756 dots)	13.297 µs	(2,136 diots)
B - BLANK	ING TIME 6.9	06 μs (156 dots)	4.235 μs	(388 dots)	3.187 µs	(512 diots)
H C-SYNC	WIDTH 3.3	320 µs (75 dots)	1.746 µs	(160 dots)	1.145 µs	(184 dots)
D - BACK	PORCH 2.2	.258 μs (51 dots)	1.768 µs	(162 dots)	1.544 µs	(248 dots)
E - ACTIVE	ETIME 27.4	46 µs (620 dots)	14.931 µs	(1,368 dots)	10.110 µs	(1,624 dlots)
F - FRONT	PORCH 1.	328 µs (30 dots)	0.720 µs	(66 dots)	0.498 µs	(80 diots)
f V		47.489	1 Hz	92	2.3499 Hz	137	7.2304 Hz
A - PERIO	D 21.0)57 ms (613 lines)	10.828 ms	(565 lines)	7.287 ms	(548 lines)
B - BLANK	ING TIME 0.9)27 ms (27 lines)	0.556 ms	(29 lines)	0.426 ms	(32 lines)
V C-SYNC	WIDTH 0.	03 ms (3 lines)	0.057 ms	(3 lines)	0.040 ms	(3 lines)
D - BACK	PORCH 0.1	'21 ms (21 lines)	0.479 ms	(25 lines)	0.372 ms	(28 lines)
E - ACTIVE	E TIME 20.	30 ms (586 lines)	10.273 ms	(536 lines)	6.861 ms	(516 lines)
F - FRONT	PORCH 0.	03 ms (3 lines)	0.019 ms	(1 lines)	0.013 ms	(1lines)
SYNC POLAF	RITY(H/V)	Negative / Ne	gative	Negative	/ Negative	Negative	/ Negative

ADJUSTMENT

		HV10S - 4
	DOT CLOCK	230.1100 MHz
	fH	96.5227 KHz
İ	A - PERIOD	10.360 µs (2,384 dots)
	B - BLANKING TIME	2.694 µs (620 dots)
Н	C - SYNC WIDTH	0.834 µs (192 dots)
	D - BACK PORCH	1.495 µs (344 dots)
	E - ACTIVE TIME	7.666 µs (1,764 dots)
	F - FRONT PORCH	0.365 µs (84 dots)
	fV	182.1182 Hz
	A - PERIOD	5.491 ms (530 lines)
	B - BLANKING TIME	0.363 ms (35 lines)
V	C - SYNC WIDTH	0.031 ms (3 lines)
	D - BACK PORCH	0.321 ms (31 lines)
	E - ACTIVE TIME	5.128 ms (495 lines)
L	F - FRONT PORCH	0.010 ms (1 lines)
	SYNC POLARITY(H/V) Negative / Negative	

5.4 Acceptable timing

 If your timing is within following specification, this CRT display can automatically function with a certain size and position.

Horizontal: Sync frequency: 30.0 ~ 92.0 kHz

Blanking Time: ≥ 2.7 µs
Back Porch: ≥ 1.25 µs
Front Porch: ≤ Back Porch

Sync Width : 0.948 ~ 4.0µs(fH<50KHz)

 $0.948 \sim 2.5 \mu s(fh>50 kHz)$

Vertical: Sync frequency: 50.0 ~ 180.0 Hz

Blanking Time: ≥ 0.5 ms

Back Porch: ≥ 0.4 ms

Sync Width: ≥ 0.032 ms

 Several items like size, position and distortion can be adjusted through OSD menu, and if you want to keep it, please push the key 1 for memory, or keep the key untouched for about 20 seconds, it is automatically memorized.

NOTE: In case of RECALL, the key is untouched for about 30 seconds, RECALL function will be cancelled.

Please note, however, that there is the case you can not get the size and/or position you want, (for example, in case Display video Time is too short, you can't get bigger size of the image.)

 The CRT adopted in this CRT display is designed to minimize the moire phenomenon at suitable size for typical display modes. However, there might be a display format among many formats, in which the moire phenomenon appears on this display.

5.5 Signal level and input impedance

5.5.1 Video Signal level

- This CRT display is adjusted at the factory using 0.7Vpp Video Signal. Black level is 0 V.
- This CRT display is compatible with 1.0Vpp Video signal by using Video input level selection.

5.5.2 Sync Signal level

H/V Separate, H/V Mixed : TTL level
Sync on Green : 0.3 V p-p ±0.015V

5.5.3 Input impedance

Video input: 75 Ω
Sync input: ≥ 1 kΩ

5.6 Display performance

5.6.1 Display area

1) PRESET TIMING

MODE 1,1024 \times 768 @75Hz WIDTH : 392 mm \pm 5 mm HEIGHT : 294 mm \pm 5 mm

2) RESERVATION TIMING

MODE 2, 640× 480 @60Hz WIDTH : 392 mm ± 7 mm HEIGHT: 294 mm ± 7 mm MODE 3. 640× 480 @75Hz WIDTH: $392 \text{ mm} \pm 7 \text{ mm}$ HEIGHT: 294 mm ± 7 mm MODE 4, 800 × 600 @75Hz WIDTH: $392 \text{ mm} \pm 7 \text{ mm}$ HEIGHT: 294 mm ± 7 mm MODE 5. 832× 624 @75Hz WIDTH : 392 mm ± 7 mm HEIGHT: 294 mm ± 7 mm MODE 6.1024 × 768 @75Hz WIDTH : 392 mm ± 7 mm HEIGHT: 294 mm ± 7 mm MODE 7.1152× 870 @75Hz WIDTH : 392 mm ± 7 mm HEIGHT: 294 mm ± 7 mm MODE 8.1280 × 1024 @75Hz

3) FULL SCAN

WIDTH: 406 mm HEIGHT: 304 mm

5.6.2 Centering

1) PRESET TIMING (MODE1)

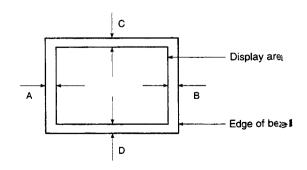
WIDTH : 368 mm ± 7 mm

HEIGHT: 294 mm ± 7 mm

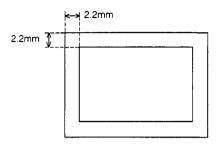
 $|A - B| \le 4 \text{ mm}$ $|C - D| \le 4 \text{ mm}$

2) RESERVATION TIMING (MODE2~8)

 $IA - BI \le 7 \text{ mm}$ $IC - DI \le 7 \text{ mm}$

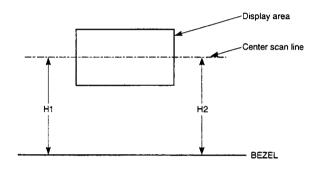


5.6.3 Distortion Inside 2.2 mm Freme



5.6.4 Rotation

 $|H1 - H2| \le 2.5 \, \text{mm}$



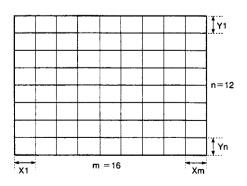
5.6.5 Linearity

Horizontal linearity

$$= \frac{\text{X max.} - \text{X min.}}{\text{X max.} + \text{X min.}} \times 100\% \le 7\%$$

Vertical linearity

$$= \frac{Y \text{ max.} - Y \text{ min.}}{Y \text{ max.} + Y \text{ min.}} \times 100\% \le 6\%$$



<Conditions>

Display image ----- crosshatch pattern Maximum and minimum values should not be adjacent to each other.

X max. is maximum value among X1~Xm X min. is minimum value among X1~Xm

Y max. is maximum value among Y1~Yn Y min. is minimum value among Y1~Yn

5.7 General performance

5.7.1 Maximum Pixel Clock 196MHz (Typ.)

5.7.2 Maximum luminance

	95 cd/m² (Typ.) for 5% white field at the		
	center of the display area.		
Value	85 cd/m² (Typ.) for 100% white field at the		
	center of the display area.		
	Specified by 9300 K + 8 MPCD		
Conditions	Display image: White full flat field		
	Luminance : Max. (Contrast : Max.)		
	(Brightness :CENTER point)		

5.7.3 Minimum luminance

	≤ 17 cd/m² at the center of the display
Value	area.
	Specified by 9300 K + 8 MPCD
	Display image : White full flat field
Conditions	Luminance : Min. (Contrast : Min.)
	(Brightness : CENTER point)

5.7.4 Brightness variation

Value	75 % (Min.) Variation = C/A X 100
Conditions	Display image: White full flat field Luminance: MAX (Contrast: MAX) (Brightness: Center point) A; Luminance at center position C; Luminance at position of lowest brightness

5.7.5 Display area regulation

	Display area variation	Range of variation
Due to	within 1.0 %	17~95 cd/m²
Luminance		(white flat field)
Due to	within 0.5 %	AC : 90 - 132 V
Power Supply		or 198 - 264 V
Due to	within 1.5 %	20° C ± 20° C
Temperature		

5.7.6 Color Point

< Conditions >

Display image: White flat field at the center of

the display area.

Luminance : Brightness Center point.

Contrast	max	min
	9300 K + 8 MPCD	9300 K + 8 MPCD
Value	$x = 0.283 \pm 0.020$	$x = 0.283 \pm 0.020$
	$y = 0.298 \pm 0.020$	$y = 0.298 \pm 0.020$

< Conditions >

Display image: 5% White flat field at the center of

the display area.

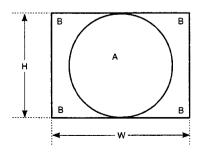
Luminance : Brightness Center point ,

Contrast max

Contrast	7500K	6500K	5000K
Value	x = 0.300(Typ.)	x = 0.313(Typ.)	x = 0.346(Typ.)
	y = 0.315(Typ.)	y = 0.329(Typ.)	y = 0.359(Typ.)

5.7.7 Misconvergence

Center area of display (A): 0.3 mm (Max.)
Corner area of display (B): 0.4 mm (Max.)



<Conditions>

Display image : Crosshatch pattern mixed

with R, G and B colors.

Convergence gauge: KLEIN CM7AG or equiva-

lent.

Display area

W x H 392 x 294 mm

5.7.8 White Uniformity

 $xa - xc \le \pm 0.015$

xa: x coordinate at the CRT center xc: x coordinate at any other point

 $ya - yc \le \pm 0.015$

ya: y coordinate at the CRT center ya: y coordinate at any other point

<Conditions>

Display image: White flat field

Luminance : 95 cd/m² at the center of

display area

Display area : 392 x 294 mm

5.7.9 Purity

Conspicuous mislanding shall not be visible within display area at a distance of 60cm from CRT surface.

<Conditions>

Display image: Red/Green/Blue flat field

Luminance : Contrast max,

Brightness CENTER

Display area : 392 x 294 mm

5.7.10 Jitters

Invisible at a distance of 60 cm from CRT surface.

6. ENVIRONMENTS

6.1 Ambient temperature, humidity and altitude

	Operating	Storage and
		shipment
Temperature	0 ~ 40° C	-20 ~ +60° □
	(32 ~ 104° F)	(-4 ~ 140° F)
Humidity	5 ~ 90 % *	5 ~ 90 % '
Altitude	3,000 m (Max.)	12,000 m (M≥×.)
	(10,000 ft)	(40,000 ft)

Non-condensation

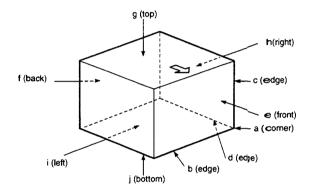
6.2 Vibration and shock

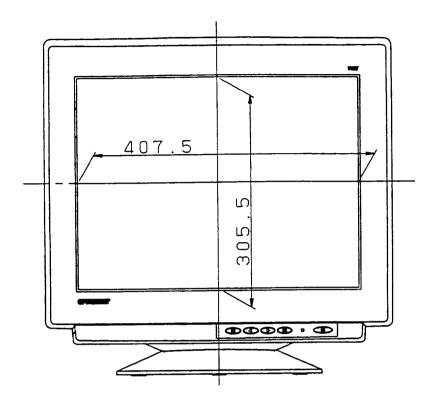
6.2.1 Vibration

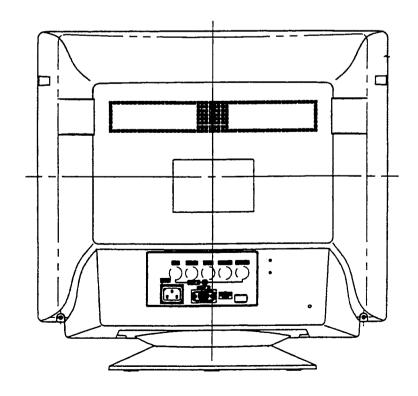
	Order	Dire	ection	Accel	eration				
	of		of Non-		Storage and	Frequency	Sweep	Test time	
	tests	vibr	ation	operation	shipment				
	1	Vertical	Up to down			5 - 55 Hz		30 min.	
Unpacked	2		Front to back	2.9 m/s² (0.3 G)			120 s	15 min	
	3	Horizontal	Right to left					15 min.	
	1	Vertical	Up to down		10m/s² (1.0 G)			40 min.	
Packed	2		Front to back		5m/s²	5 - 50 Hz	810s (Logsweep)	20 min.	
	3	Horizontal	Right to left		(0.5 G)		(2090#000)		

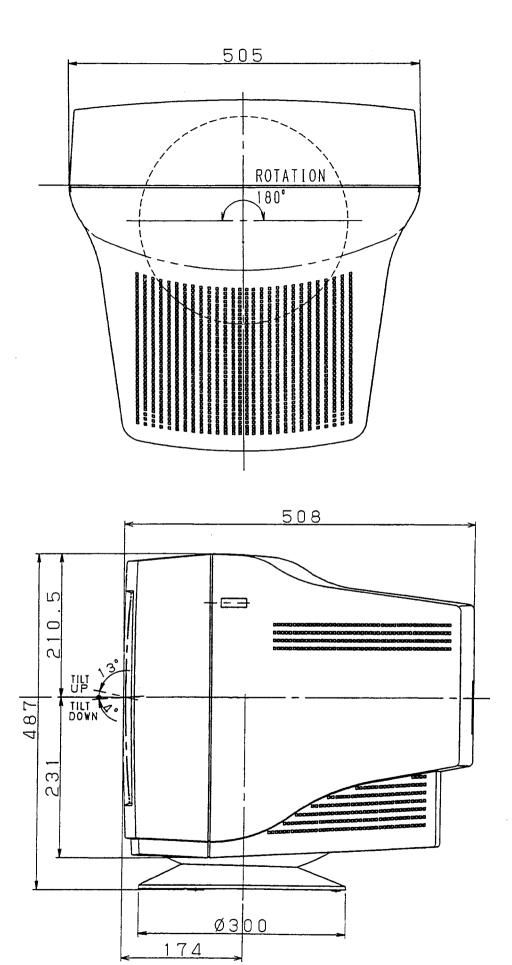
6.2.2 Shock (Drop test)

Unpacked	20 G One time for each face (6 faces) (non-operation)									
Packed	Order of drop	Face to drop is to face the floor. (See the figure)	Height	Number of drop 1 time for						
	1	A, B, C, D, E, F, G, H, I	31 cm							
	2	J	50 cm	each						







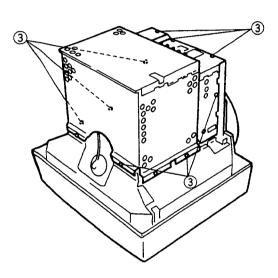


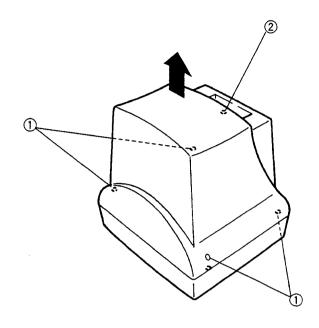
DISASSEMBLY INSTRUCTIONS -

1. Rear cover removal

Note: Spread a mat underneath to avoid damaging the CRT surface.

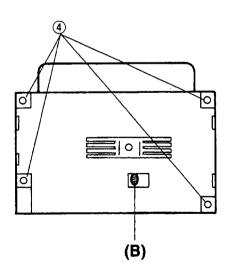
- 1) Remove four large screws ① and small screw ② from the rear cover.
- 2) Remove the cover.
- 3) Remove nine screws 3 from the shield case.
- 4) Remove the shield case.

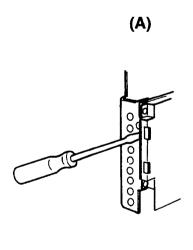




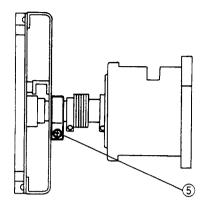
2. Video PCB removal

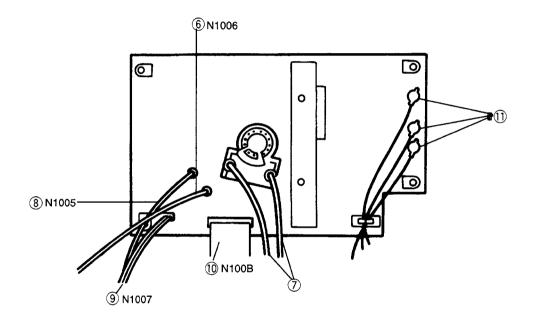
- 1) Remove four screws (4) securing the shield cover.
- 2) Desolder (B) and Remove the shield cover (A).

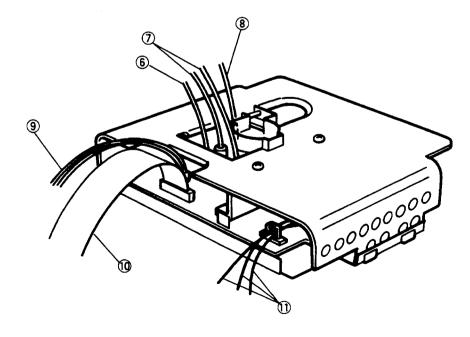




- 3) Loosen the screw (5) securing the CRT neck and the shield case.
- 4) Remove the PCB block from the CRT.
- 5) Remove the N1006 connector 6.
- 6) Remove two focus leads 7.
- 7) Remove ground connector ® (N1005) connected to the PCB.
- 8) Remove N1007 connector 9.
- 9) Remove N100B connector 10.
- 10) Remove RGB connector 11.
- 11) Remove the PCB from the shield case.

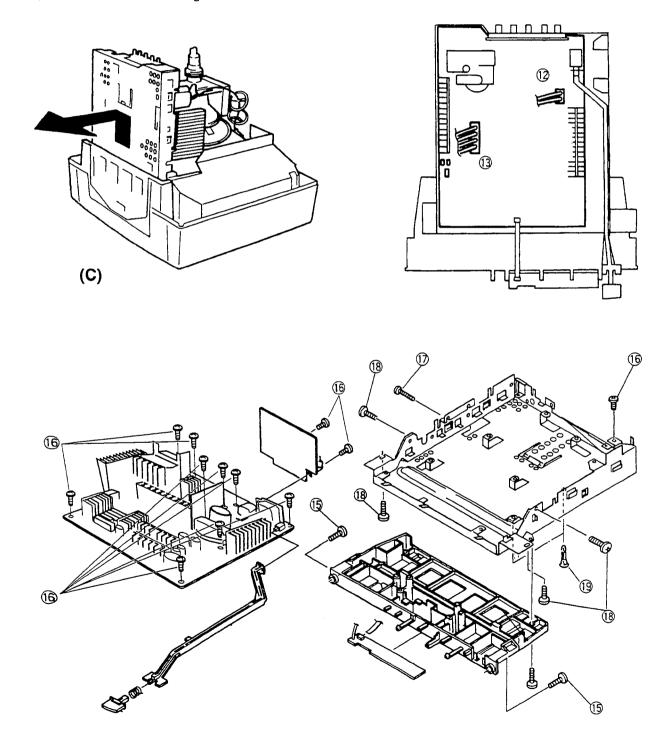






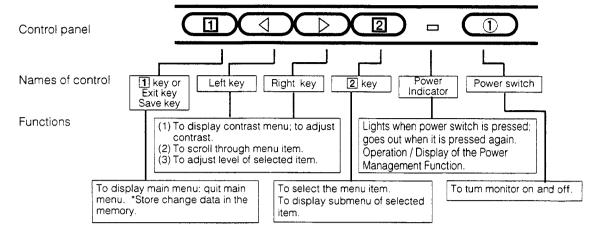
3. Main PCB Removal

- 1) Remove the connector ② (N901) of the degauss coil.
- 2) Remove the DY connector (3).
- 3) Remove the anode cap.
- 4) Move the CRT face down and remove two screws (5) securing the bottom fitting metal.
- 5) Remove the fitting metal and the PCB from the cabinet. (C)
- 6) Remove thirteen screws ® securing the fitting metal and PCB.
- 7) Remove screws ⑦ securing the fitting metal and PCB.
- 8) Remove four screwsthe ® securing the fitting metal and PCB.
- 9) Remove two clamper (9) the fitting metal and PCB.
- 10) Remove the PCB with the figure referenced.



CONTROL LOCATION

[Basic operation]



- For a detailed description of the functions of the 1 key, left key, right key, and 2 key.
 - *Since contrast is the most commonly adjusted parameter, we have provided direct access to this menuitem.

Adjustments

Self-Test menu(No Signal screen

This display indicates that the monitor is operating normally. When one of the following conditions occurs, press one of the 4 operation keys to call the appropriate display.

No Signal fH --.-- kHz fV --.-- Hz

Error fH 98.0 kHz fV 80.0 Hz

No signal (The computer is not connected or the mains power to the computer is disconnected)

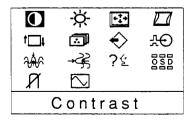
The horizontal sync. signal are outside of the permitted range (the value of the horizontal sync. signal will be displayed in red and the value of lhe vertical sync. signal will be displayed in white)

Select menu

The adjusted items are represented by icons. When the key is pressed, the menu screen appears.

Use the or keys to move the cursor to the item

Use the or keys to move the cursor to the item to be adjusted, then press the kye to call the adjustment menu.





0	Contrast Adjustment
☆	Brightness Adjustment
*	Size & Position adjustment
	H.Position
	H.Size
	V.Position
Ī] V.Size
	Geometry adjustment
	V.pincushion
	Side Pin. Bal.
	Trapezoid
	Parallelogram
†□↓	Rotation
	Color temp
♦	Recall
₩	Video input level
₩	H. Moire reduction
-⊰}	V. Moire reduction
?٤	Language
	OSD screen position
X	Degauss
	Select

CAUTION FOR ADJUSTMENT AND REPAIR

- 1. Degaussing is inevitably required at purity adjustment or convergence adjustment.
- 2. If you check or adjust electrical specification or function, more than 20 minutes burn-in is required.
- Reforming of the lead wire is required after your repair work.
- 4. Prior to starting work, be sure to check that the input signal is at the specified timing and that the polarity is as specified in all modes.
- 5. Brightness control: After mounting the rear cover, brightness tends to decrease about 5 cd/m² on a flat white field and about 1 cm/m² on a white raster field. This should be taken into consideration.
- Brightness stabilizing time: It takes about 20 to 50 seconds for the brightness to stabilize after turning the power off for 5 seconds (AC). Therefore, care should be taken to this.
- 7. Aging should be made in white raster of $30 \sim 50$ cd/m² and raster size, 402 x 301 mm before adjusting the ITC.
- 8. Set the CONTRAST to MAX and BRIGHTNESS to CENTER using the O.S.D.

CAUTION FOR SERVICING-

When servicing or replacing the CRT, high voltage sometimes remains on the anode. So, completely discharge high voltage before servicing or replacing the CRT so as to prevent a shock to the service person.

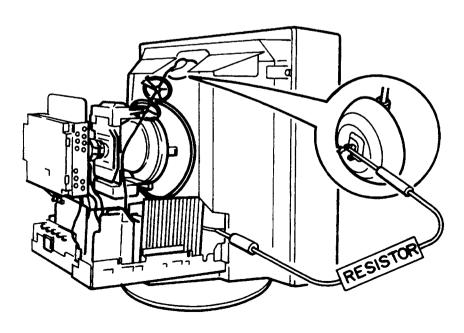
CRT Anode Discharge

- When you check the CRT anode or replace the CRT, discharge the CRT anode to the external conductive coating (aquadag) of CRT, especially when checked right after power turn-off.
- 2. Ground one end of a jumper wire which has a resistor (30 kV < resisting pressure 100 M Ω) and connect the other point to the CRT anode.

Note: Grounding must be done first.

This model has a section that does not share a common ground with the power supply section. The different sections are referred to as the HOT section and the COLD section in the precautions below.

- Do not touch the HOT section and the COLD section at the same time. You may be hit by an electric shock.
- 2. Do not short the HOT section to the COLD section. This could blow the fuse or damage parts.
- Never measure the HOT section and the C0LD section at the same time when using tools such as oscilloscopes or multimeters.
- 4. Always unplug the unit before beginning any operation such as removing the chassis.



ADJUSTMENT AND CHECK PROCEDURE

INTRODUCTION

 This monitor is controlled by a microcomputer. With the exception of purity/convergence/focus all is digitally adjusted.

Therefore a computer, the dedicated control software, the dedicated interface, a 9~12 V power supply, and a signal generator are required servicing.

TOOLS REQUIRED

Computer

The control software is IBM PC compatible only. Therefore, it is not compatible with any other operating systems. For further information please contact our sales office.

Control Software

The HV10S chassis can only use adjustment program disk* for this model. No other program can access the EEPROM on the monitor. For further information please contact our sales office.

Interface

The interface is dedicated to work only with the control software and the HV chassis. There are no substitutes for this interface. For further information please contact our sales office.

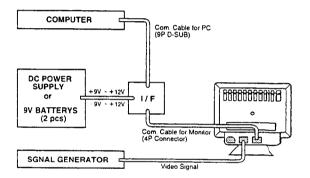
Power Supply

A DC $9\sim12$ V ($+9\sim12$ V/ $-9\sim12$ V) power supply is required for operating the interface.

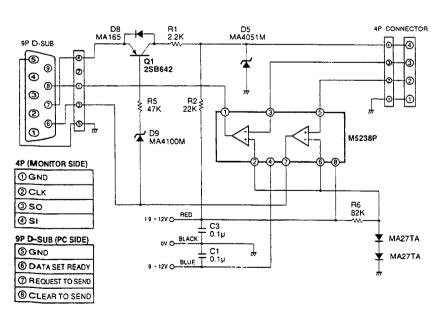
Signal Generator

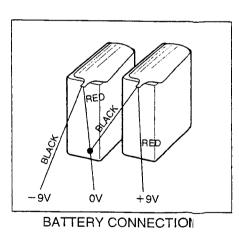
It is necessary for you to use a signal generator which operates on fH 95 kHz, fv 180 Hz, and fc 196 MHz bands

INTERFACE CONNECTION



INTERFACE SCHEMATIC DIAGRAM





OTHER TOOLS

Oscilloscope (dual trace)

Scope probe – Attenuation: 100:1

Attenuation: 10:1

• Digital Voltmeter - Range: 0 to 1000 V DC

Accuracy: 0.1 %

• TV color Analyzer II - that reads luminance and chro-

maticity X and Y coordinates.

· High Voltag Probe

AC power supply – Output voltage: 0 to 300 V

· Degaussing coil

• Convergence meter

• Scale

Microscope – Scale factor: 50

STANDARD CONDITION OF ADJUSTMENT **PROCEDURE**

· Signal timing:

Preset timina

· Display pattern:

White, full "H" character

· Signal level:

V/H: TTL level video: 700 mV

Input source :

AC 100~240 V. 50/60 Hz

Ambient temperature :

Room temperature

Warm-up time :

More than 30 minutes

• Brightness control:

Center

• Contrast control:

Max.

· Magnetic field:

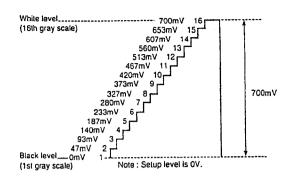
Vertical: 40 uT

Horizontal: 0 uT

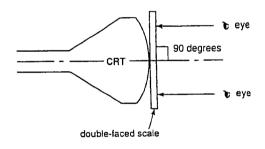
· Signal cable:

Attached

Video input signal from PC.



- · Use a Helmholtz device to adjust an unit with no horizontal magnetic field and a vertical field of 40 µT. Inspect the unit under the same conditions.
- The ambient illuminance must be 200 lux.
- · Use an external degaussing coil any time the DEGAUSS switch does not remove color shading.
- To check the image width, height, linearity and distortion, proceed as below.



ADJUSTMENT SOFTWARE-

1. Software operating procedure

- A) Power on the computer.
- B) Connect the Communication cable for monitor adjustment.
- C) Insert the adjustment disk into the drive.
- D) At the A:> prompt type "VSR", then press [ENTER].

A function to identify the connected monitor is provided to prevent accidents due to erroneous use of the HV10S chassis program. If this program is used for any monitor other than the HV10S, the message reading "This monitor is not an HV10S chassis. All further activity has been prevented" is displayed and the operation is stopped.

E) Refer to the adjustment procedures.

2. Adjustment Program

Main Menu of Adjustment Program

<<HV10S ADJUSTMENT PROGRAM MENU>>

(e: exit, q: quit) <Ver *.*>

1) Load data from FILE

6) Save data to FILE

2) Adjust VSR setting

7) Special ADJUST

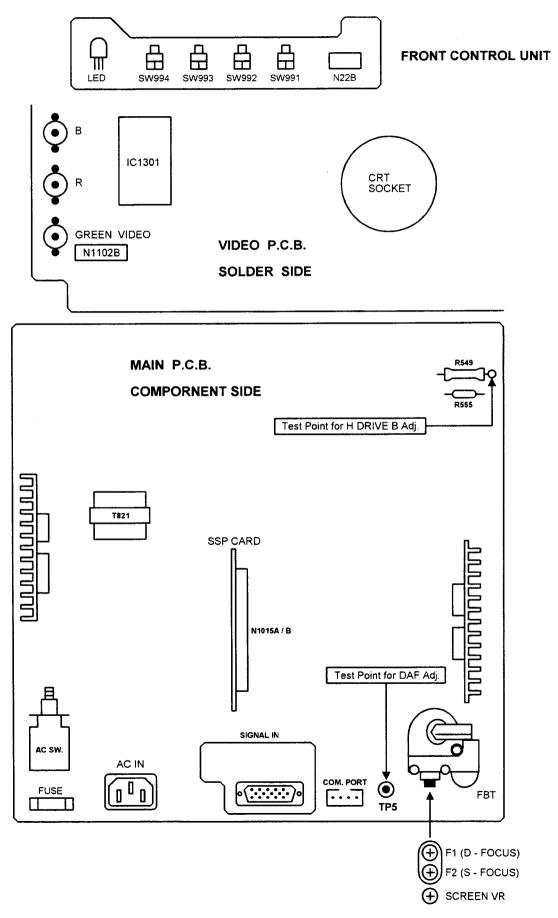
3) Adjust STD setting 4) Adjust Factory preset

8) Information Service 9) Show Version & Error

5) Clear User preset

10) DDC EDID Date seeting

SERVICE ADJUSTMENT CONTROL LOCATION



REQUIRED ADJUSTMENT PROCEDURE AFTER A PARTS IS REPLACED (< IS REQUIRED)

					-						-	· ·			,			
															_			
																		:
-																		
0																		
PARTS	FBT 1C671 Q601				>		>	>	>	>	>	>	>				>	
REPLACED	Q550 IC850 Q881					>	>	>	`				>				>	
REPL/	IC580			`>									>				>	
	1C490						>	>	`>				>				>	
	Q1065 Q1165 Q1265									>			>				>	
	IC1301 IC1302 IC1303 IC1305 IC1331									>			>				>	
	CRT				<i>></i>	>	>	>	>	>	>	>	>			>	>	
	VIDEO P.C.B.									>			`				>	
	SSP CARD		>	/	`	/	\	>	^	^	`	`	`	>			>	
	MAIN P.C.B.		>	>	`	/	^	>	>	/	`	>	>	>			>	
		ТЕМ	*	JUST		JST			_	COLOR				TING		FRGENCE	~	
		ADJUSTMENT ITEM	DATA SETTING *	H. DRIVE +B ADJUST	EHT ADJUST	H CENTER ADJUST	SUB ADJUST	VSR SETTING	PRESET ADJUST	BRIGHTNESS, COLOR	DAF ADJUST	FOCUS ADJUST	DATA SAVING	DDC DATA SETTING		PURITY & CONVERGENCE	SCREEN CHECK	
			∢	В	ပ	٥	ш	ш	Ŋ	I	_	٦	¥					

* (A) DATA SETTING: Do not load standard data except when main PCB and SSP Card are replaced.

ADJUSTMENT PROCEDURE

Note 1: Check to be sure that the program disk name is **V115-2** before making necessary adjustment.

Note 2: Unless otherwise specified, the monitor state is as given at right.

Note 3: The underlined places indicate the adjustment items on the screen of the PC.

1. Description of Adjustment Method

	ITEM Program Menu	 Test Meter▼ Test Point□ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
	STANDARD DATA SETTING 1) Load data from		A1 A2		Turn on the power switch of the monitor. Set the cell to the menu at left and press [⅃].	
A	FILE	.E A massage A3 FILE -> EEPROM FILE NAME (q or is displayed. So key in the DAC		A massage FILE -> EEPROM FILE NAME (q or Q escape) []: is displayed. So key in the DACDATA.DAT (when using the standard data) and press [].		
			AE		Turn off the power switch of the monitor, then turn on again.	
	Do	not load standa	rd data	except	when Main P.C.B. and SSP Card are replace	ed.
В	H. DRIVE +B 2) Adjust VSR setting	Digital Voltmeter ▼ R549 ~ GND Refer to Service Adjustment Control Location for this connect point. □ Crosshatch	B1 B2 B3 B4 B5	HV10S-1	Set the cell to the menu at left and press [ɹ]. Set the cell to the adjusting mode INTP [0] and press [ɹ]. Check that the input signal to the monitor is [fH 29.1KHz] and [fV 47.5Hz] and press [ɹ]. Set the cell to H. DRIVE +B and press [ɹ]. Make the adjustment to the value shown at right by using [←] and [→]. Register by press [ɹ] and return to menu of B2 by press [E].	25.3 V ±0₋ 5 V
В			B7 B8	HV10S-2	Input signal [fH 52.2kHz] and [fV 92.3Hz] Select Adjusting mode <u>INTP [1]</u> , and repeat above (B4 B5 B6) procedure.	23.4 V ±0. 5 V
			B9 B10	HV10S-3	Input signal [fH 75.2kHz] and [fV 137.2Hz] Select Adjusting mode <u>INTP [2]</u> , and repeat above (B4 B5 B6) procedure.	21.4 V ±0. 5V
			B11 B12	HV10S-4	Input signal [fH 96.5kHz] and [fV 182.1Hz] Select Adjusting mode <u>INTP [3]</u> , and repeat above (B4 B5 B6) procedure.	19.2 V ±0. 5V
			BE		Press [E] to return to main menu.	

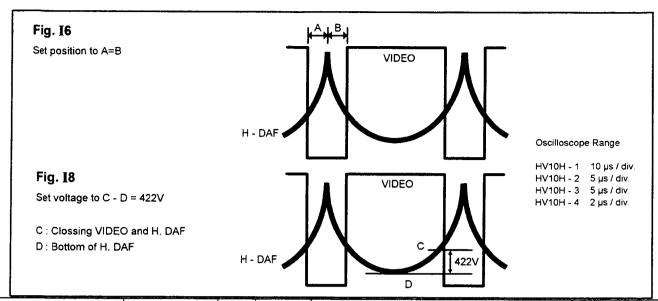
	ITEM Program Menu	▼	Test Meter Test Point Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
С	EHT ADJUST 3) Adjust OTHER setting Adjust NON-VSR Setting	\$	Digital Voltmeter High Voltage Probe Anode Cap ~ GND RGB off (Sync only)	C1 C2 C3 C4 C5 C6 C7 C8	HV10S-4	Turn the power switch of the monitor OFF. Connect high voltage probe to Anode Cap and GND. Turn the power switch of the monitor ON. Set the cell to the menu at left and press [ɹ]. Set the cell to Adjust NON-VSR Setting and press [ɹ]. Check that the input signal to the monitor is [fH 96.5kHz] and [fV 182.1Hz] and press [ɹ]. Move the cell to EHT and press [ɹ]. Make adjustment to the value shown at right by using [←] and [→]. Register by pressing [ɹ] and return to menu of C5, then return to the main menu by pressing [E].	27kV ±0.3kV
D	H. CENTER 2) Adjust VSR setting		RGB off (Sync only)	D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13 DE	HV10S-2 HV10S-3	Set the Brightness to MAX by using OSD. Set the cell to the menu at left and press [¬]. Set the cell to the adjusting mode INTP [0] and press [¬]. Check that the input signal to the monitor is [fH 29.1kHz] and [fV 47.5Hz] and press [¬]. Set the cell to H CENTER and press [¬]. Make the adjustment to the value shown at right by using [¬] and [¬]. Press [¬] and [¬]. Press [¬] to register, and return to menu of D3. Input signal [fH 52.2kHz] and [fV 92.3Hz] Select Adjusting mode INTP [1], and repeat above (D5 D6 D7) procedure. Input signal [fH 75.2kHz] and [fV 137.2Hz] Select Adjusting mode INTP [2], and repeat above (D5 D6 D7) procedure. Input signal [fH 96.5kHz] and [fV 182.1Hz] Select Adjusting mode INTP [3], and repeat above (D5 D6 D7) procedure. Return to the main menu by pressing [E].	Back raster Set the raster to the center with respect to the bezel.

	ITEM Program Menu	→ Test Meter▼ Test Point□ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
E	SUB ADJUST 3) Adjust OTHER setting Adjust NON-VSR Setting	☐ Crosshatch	E1 E2 E3 E4	M ode-1	Set the cell to the menu at left and press [□], then go to sub menu. Set the cell to Adjust NON-VSR Setting at the sub menu and press [□]. Check that the input signal to the monitor is [fH 93.8KHz] and [fV 75.0Hz] and press [□]. Set the cell to following items, press [□] and make the adjustment to the value shown at right by using [←] and [→].	②③④⑤⑥⑦⑧: Best point
	H Size, H Position do not register to i		•	stment	* H. SIZE	① / H Posi : Center H : 392mm V : 294mm
			EE		After adjustment, return to menu of E2 by pressing [E], then return to the main menu by pressing [E].	
	VSR SETTING 2) Adjust VSR Setting	☐ Crosshatch	F1 F2 F3	HV10S-1	Set the cell to the menu at left and press []. Set the cell to the adjusting mode [NTP [0]] and press []. Check that the input signal to the monitor is [fH 29.1kHz] and [fV 47.5Hz] and press []. Set the cell to following items, press [] and make the adjustment to the value shown at right by using [] and [].	0 : 392ாள ±5 3 : 294ாள ±5
F	l	V Position adjustment do not register to interpolation data.		0	* V POSITION ① H. SIZE ③ V SIZE ② H POSITION ④ V PCC GAIN	② / V Posi: Center ④: Bestpoint
			F5 F6 F7	HV10S-2	Press [,] to register, and return to menu of F2 . Input signal [fH 52.2kHz] and [fV 92.3Hz] Select Adjusting mode INTP [1], and repeat above (F4 F5) procedure.	
			F8 F9		Input signal [fH 75.2kHz] and [fV 137.2Hz] Select Adjusting mode <u>INTP [2]</u> , and repeat above (F4 F5) procedure. Input signal [fH 96.5kHz] and [fV 182.1Hz]	
			F11 FE		Select Adjusting mode <u>INTP [3]</u> , and repeat above (F4 F5) procedure. Return to the main menu by pressing [E].	

	ITEM Program Menu	▼	Test Meter Test Point Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
	PRESET ADJUST 4) Adjust Factory preset		Crosshatch	G1 G2 G3	Mode-1	Set the cell to the menu at left and press [¬]. Check that the input signal to the monitor is [fH 93.8KHz] and [fV 75.0Hz] and press [¬]. Set the cell to following items, press [¬] and make the adjustment to the value shown at right by using [←] and [¬]. ① H. SIZE ⑤ V. PCC ② H. POSI ⑥ V. PCC BALANCE ③ V. SIZE ⑦ TRAPEZOID ④ V. POSI ⑧ PARALLEL	①: 392mm ±5 ③: 294mm ±5 ②: Center ⑤: ②: Sest point
				G4 G5	Mode-2	After adjustment, return to main menu by pressing [E] and [Y]. Check that the input signal to the monitor is [fH 31.5KHz] and [fV 60.0Hz] and press [].	①:392mm±7 ③:294mm±7 ②④:Center ⑤⑥⑦⑧:
				G6 G7	Mode-3	Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by	①: 392mm ±7
G				G8		pressing [E] and [Y]. Check that the input signal to the monitor is [fH 37.5KHz] and [fV 75.0Hz] and press [].	③: 294mm ±7 ②④: Center ⑤⑥⑦⑧:
				G9 G10	Mode-4	Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by	Best point ①: 392mm ±7
				G11		pressing [E] and [Y]. Check that the input signal to the monitor is [fH 46.9KHz] and [fV 75.0Hz] and press [].	③: 294mm ±7 ②④: Center ⑤⑥⑦⑧:
				G12 G13	Mode-5	Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by	Best point ①: 392 mm ±7
				G14		pressing [E] and [Y]. Check that the input signal to the monitor is [fH 60.0KHz] and [fV 75.0Hz] and press [].	③: 294 mm ±7 ②④: Center ⑤⑥⑦③:
				G15 G16	Mode-6	Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by	Best point ①: 392 mm ±7
				G17		pressing [E] and [Y]. Check that the input signal to the monitor is [fH 60.0KHz] and [fV 75.0Hz] and press [⅃].	③: 294 mm ±7 ②④: Center ⑤⑥②⑤:
				G18 G19		Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by pressing [E] and [Y].	
						- To be continued -	

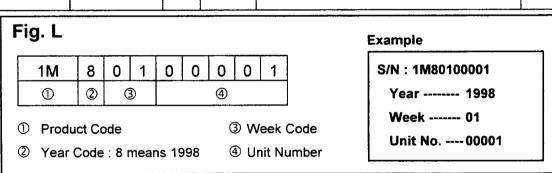
	ITEM Program Menu	 Test Meter▼ Test Point□ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
G	PRESET ADJUST 4) Adjust Factory preset	□ Crosshatch	G20 G21 G22 G23 G24 GE	Mode-7	Check that the input signal to the monitor is [fH 68.7KHz] and [fV 75.0Hz] and press [⊿]. Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by pressing [E] and [Y]. Check that the input signal to the monitor is [fH 80.0KHz] and [fV 75.0Hz] and press [⊿]. Make adjustment ①~® of G3 to the value shown at right by using [←] and [→]. After adjustment, return to the menu of G2 by pressing [E] and [N], then return to the main menu by pressing [E].	①: 392mm ±7 ③: 294mm ±7 ②: Center ③: ③: 8 Best point 0: 368mm ±7 3: 294mm ±7 ②: Center ③: 0: Center ③: 0: Best point
	CRT CUT-OFF ADJUST 3) Adjust OTHER setting Adjust VIDEO Setting		H1 H2 H3 H4 H5 ~	Mode-1	Set the Contrast to MAX, Brightness to Center and Color is "9300k +8" using the OSD. Check that the input signal to the monitor is [fH 93.8KHz], [fV 75.0Hz] and turn off the RGB signal. Set the cell to the menu at left and press [ɹ]. Set the cell to Adjust VIDEO Setting at the sub menu and press [ɹ]. Make the adjustment R.G and B Low Light by using [←] [→] and Screen VR to CRT cut-off. Please refer to flow chart for this adjustment on page 30.	
Н	BRIGHTNESS / COLOR ADJUST	□ White window (8cm×8cm at center)	H15 H16 H17 H18 H19 H20		Change to the pattern at left. Move the cell to the following items and make the adjustment to the value shown at right by using [←] and [→]. R. SUB CONT (COLORO) G. SUB CONT (COLORO) B. SUB CONT (COLORO) Set Contrast to MIN using the OSD. Move the cell to the following items and make the adjustment to the value shown at right by using [←] and [→]. R.LOW LIGHT G. LOW LIGHT B. LOW LIGHT Adjust two colors only out of above three as shown in H13 on page 30. Set Contrast to MAX using the OSD. Check the value shown at right, then If out of range, to repeat H15~H18.	Y=105 cd/m ² x=0.283 ±0.20 y=0.298 ±0.20 x=0.283 ±0.20 y=0.298 ±0.20 Y=105 cd/m ² x=0.283 ±0.20 y=0.298 ±0.20
					- To be continued -	

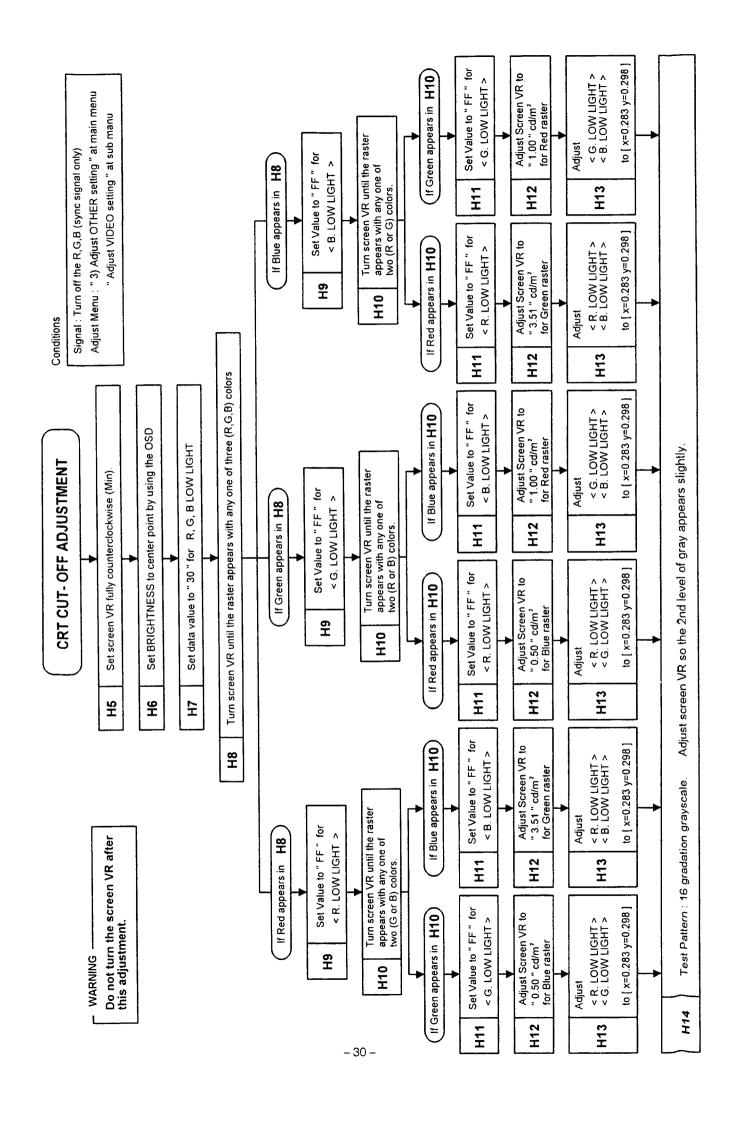
	ITEM	1	Test Meter Test Point	JOB CODE	Input Signal	Operation	Adjusting Value
	Program Menu	1	Pattern	CODE	Signal		
	ABL		White flat field (full window)	H21 H22	Mode-1	Change to the pattern at left. Move the cell to <u>ABL (COLOR0)</u> and make the adjustment to the value shown at right by using $[\leftarrow]$ and $[\rightarrow]$.	Y≃95 cd/m²
				H23		Press [E] to messages will appear. Start automatic calculation. OK (y/n) ->	
:		i		H24		Press[Y]and [-]. Refresh LOW-LIGHT2 data (y/n) ->	
				H25 H26		Press[Y]and [ɹ], then return to menu of H4 . Return to the main menu by pressing [E].	
H	1.0V ADJUST 7) Special ADJUST 1: Adjust VIDEO 1.0Vpp		White window (8cm×8cm at center)	H27 H28 H29 H30		Change to the pattern at left. Change signal to 1.0V p-p Video. Set the cell to the menu at left and press [⅃]. Select the 1: Adjust VIDEO 1.0Vpp from the menu.	
				H31 HE		Make the adjustment to the value shown at right by using [←] and [→]. Press [ɹ] to return to menu of H30, then return to the main menu by pressing [E]	Y=105 cd/m ²
I	DAF ADJUST 2) Adjust VSR setting	◇ ▼	White flat field Oscilloscope TP5~GND 100:1 probe N1102B ~ GND 10:1 probe	I1 I2 I3 I4 I5 I6 I7 I8 I14 I15 I15 IE	HV10S-2 HV10S-3	Set the cell to the menu at left and press [ɹ]. Set the cell to the menu at left and press [ɹ]. Set the cell to the adjusting mode INTP [0] and press [ɹ]. Check that the input signal to the monitor is [fH 29.1kHz] and [fV 47.5Hz]. Set the cell to H DAF PHASE and press [ɹ]. Adjust as shown at below by using [←] and [→], and press [ɹ] for registration. (Refer to Fig. 16 for adjustment on next page) Set the cell to H DAF GAIN and press [ɹ]. Adjust as shown at right by using [←] and [→], and press [ɹ] for registration. (Refer to Fig. 18 for adjustment on next page) Press [ɹ] to register, and return to menu of I3. Input signal [fH 52.2kHz] and [fV 92.3Hz] Select Adjusting mode INTP [1], and repeat above (I5 I6 I7 I8 I9) procedure. Input signal [fH 75.2kHz] and [fV 137.2Hz] Select Adjusting mode INTP [2], and repeat above (I5 I6 I7 I8 I9) procedure. Input signal [fH 96.5kHz] and [fV 182.1Hz] Select Adjusting mode INTP [3], and repeat above (I5 I6 I7 I8 I9) procedure. Return to the main menu by pressing [E].	C - D = 468V



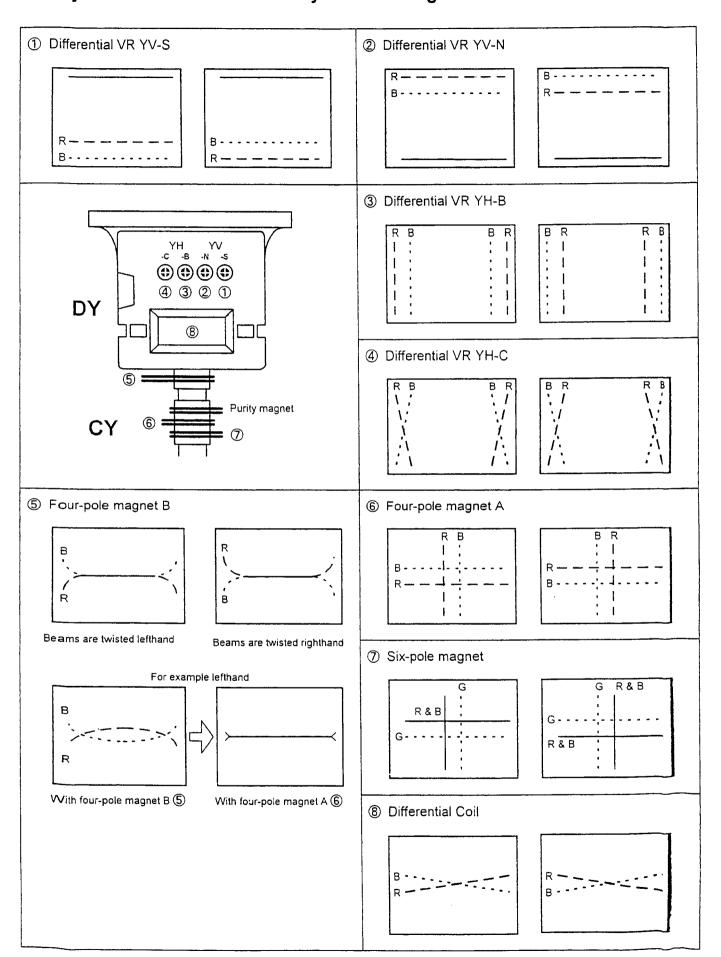
	ITEM Program Menu	 Test Meter▼ Test Point□ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
J	FOCUS	□ Character	J1 J2 J3	MODE-1	Check that the input signal to the monitor is [fH 93.8KHz] and [fV 75.0Hz]. Make the corner sections of the screen optimum by turning D-FOCUS VR on the FBT. Make the center section optimum by turning S-FOCUS VR on the FBT. Repeat J2 and J3 to make it optimum.	
κ	DATA SAVING 6) Save data to file		K1 K2		Set the cell to the menu at left and press []. Key in the file name after [] :. Use serial number as a file name (EXAMPLE : 1M870100001 = "80100001.DAT")	

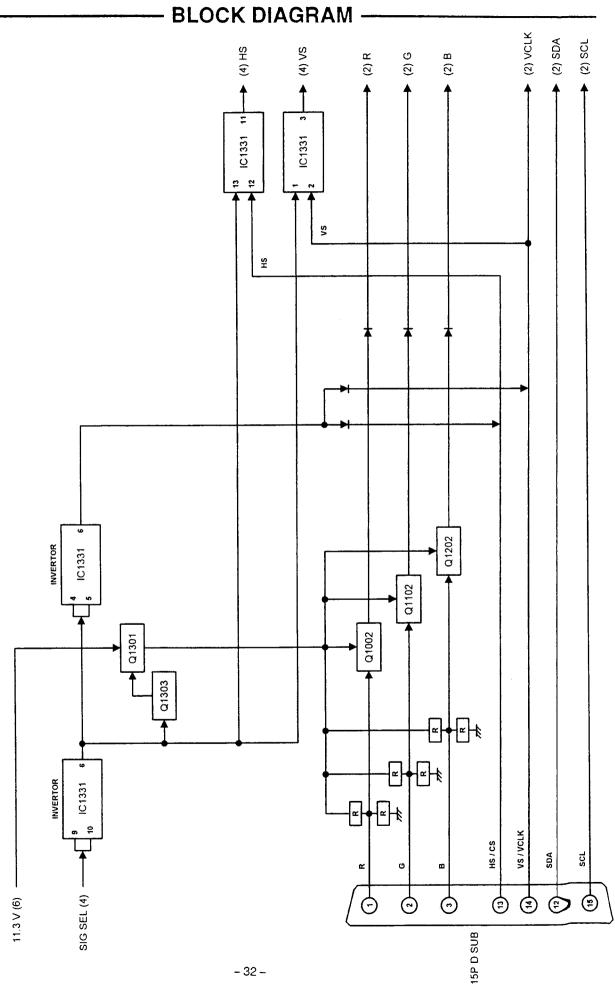
	ITEM Program Menu	 Test Meter▼ Test Point□ Pattern	JOB CODE	Input Signal	Operation	Adjusting Value
L	DDC DATA SET 7) Special ADJUST 7: Change DDC data		L1 L2 L3 L4 L5 L6		Set the cell to the menu at left and press []. Select the 7: Change DDC data from the menu. Key in the monitor Unit Number and press []. < ID Serial Number: > (5 digits) Key in the product Week and press []. < Week of Manufacture: > (2 digits) Key in the product Year and press []. < Year of Manufacture: > (4 digits) Key in the monitor Unit Number and press []. < Monitor S/N: > (5 digits) Press [E] to return to main menu. To get data of L3, L6 (U/N), and L4 (week) L5 (year) by reading Fig. L from the Serial Number.	



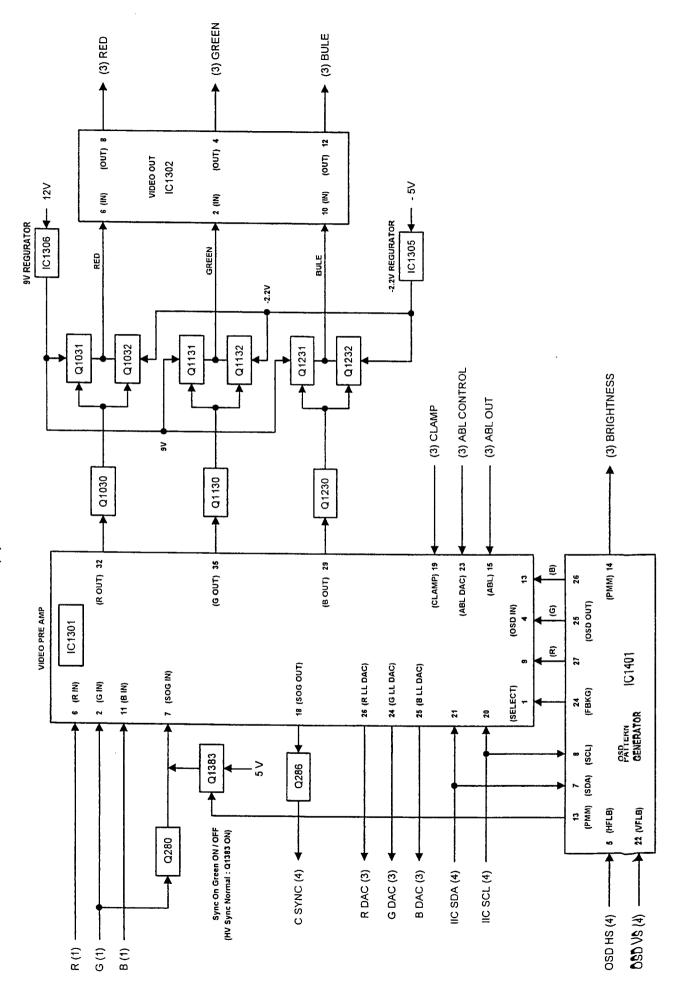


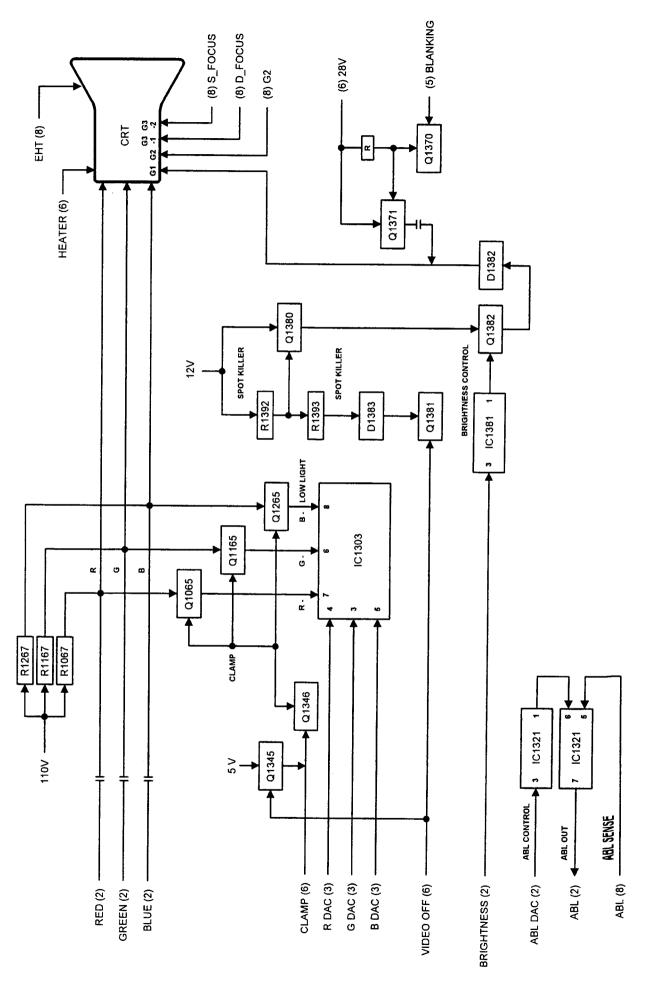
2. Adjustment Location for Purity and Convergence

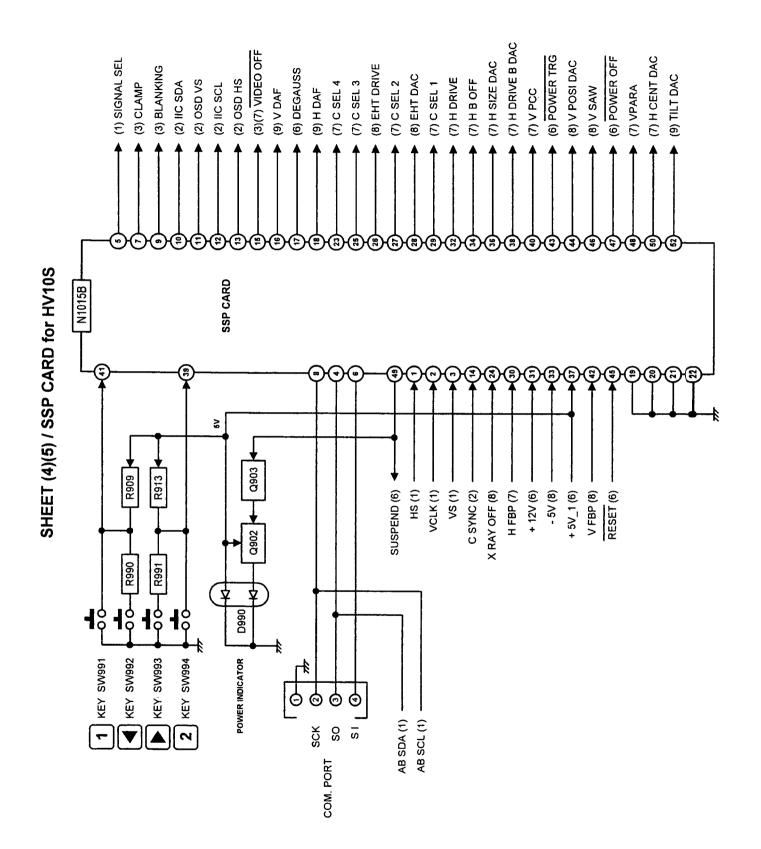


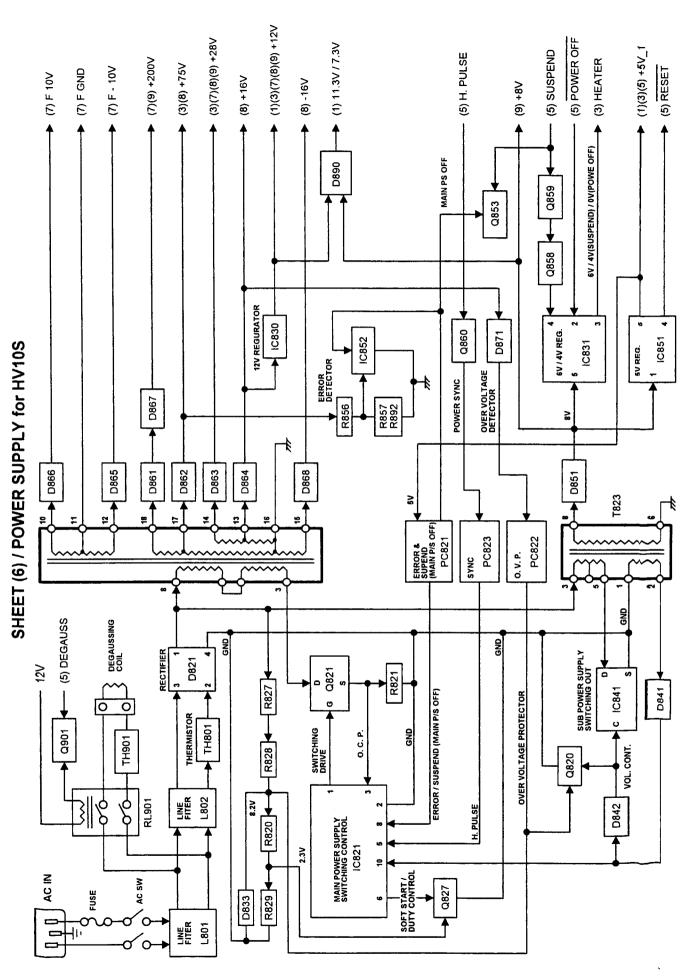


SHEET (2) / VIDEO OUT for HV10S

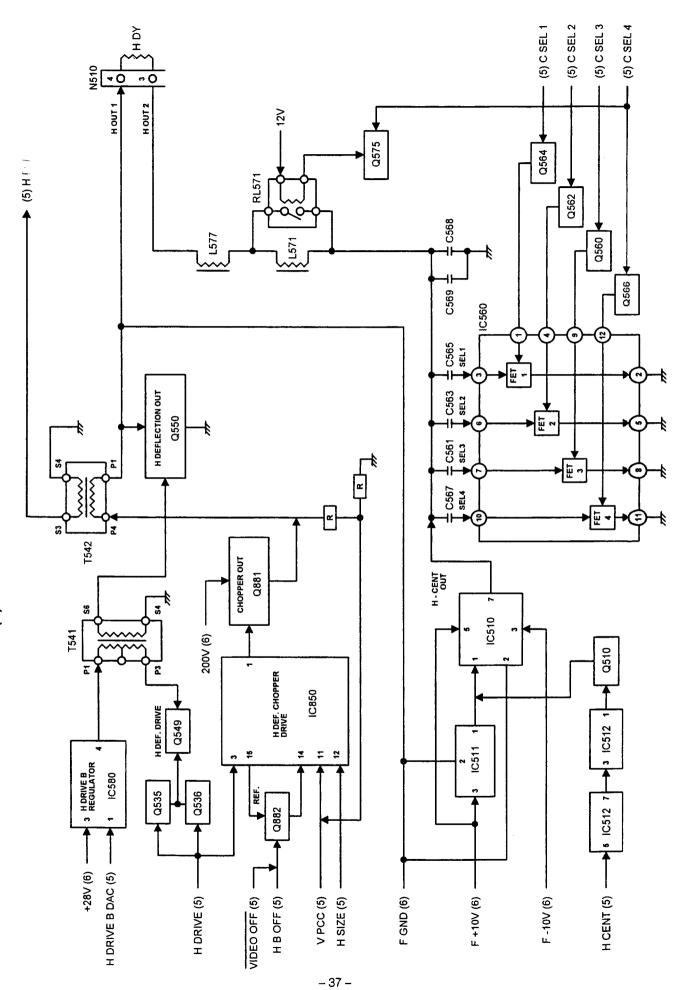






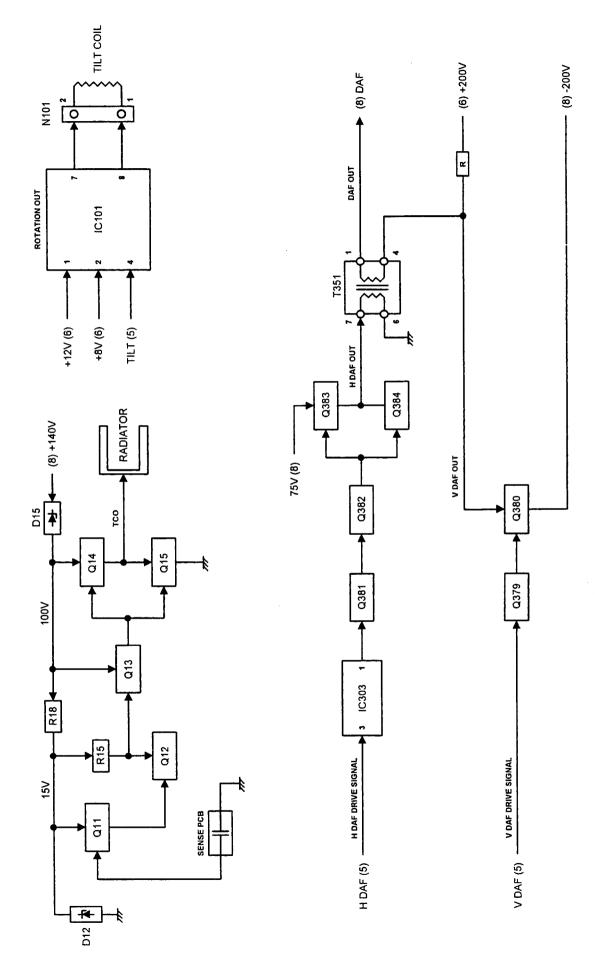


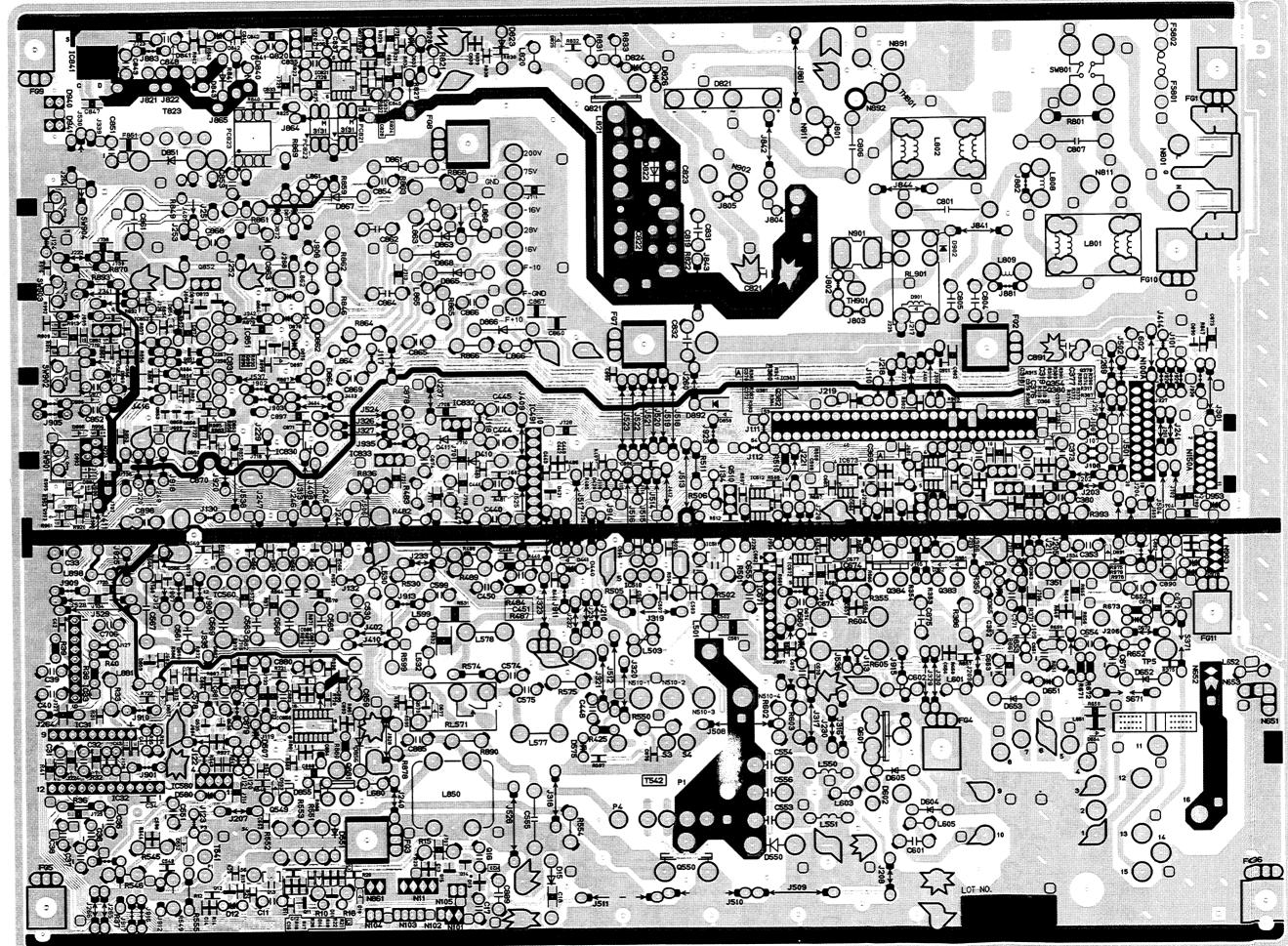
SHEET (7) / HORIZONTAL DEFLECTION for HV10S

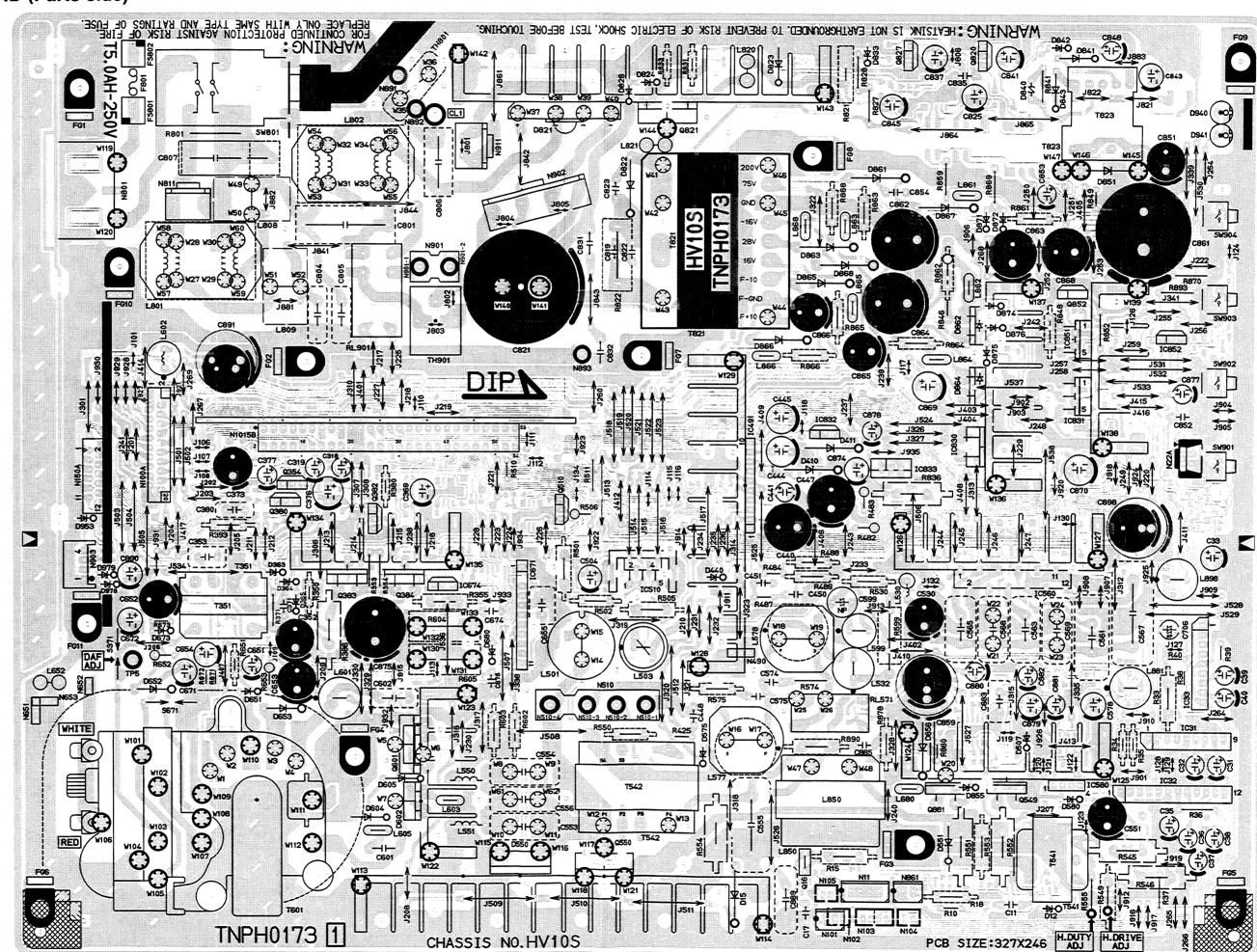


♦ (3) D FOCUS (9) DAF (3) SCREEN (3) S FOCUS **▼** (3)(9) +140V **√** (3)(9) -200V V SAW (5) (3) EHT (3) 12V (3) ABL ō O 2 DRIVE PLUSE (V OUT) 3 (S IN) D653 D652 FBT (OUTPUT VCC) 2 +75V (6) EHT +B 2nd PUMP UP SHEET (8) / EHT OUT for HV10S C445 D411 D651 (VCC 2) 1st PUMP UP **Е**НТ **О**UT Q601 ~ C444 OVER CURRENT DETECTOR 12V — R D410 IC672 1 IC672 (VCC) (OCF IN) 2 (DRIVE OUT) 1 D674 -6V REG. IC833 EHT DRIVE IC671 IC491 VOUT 11 (HV ADJ) 6 (HV DET) 4 (HD IN) 10 (X-RAY) (GND) De80 HIGH VOLTAGE DETECT +5V REG. HIGH VOLTAGE ADJ. IC832 **★** s 1C673 7 DRIVE PLUSE -5V (3)(5) ▲ +16V (6) +12V (6) -16V (6) +5V_2 (7) EHT DAC (2) EHT DRIVE (5) XRAY OFF (5)

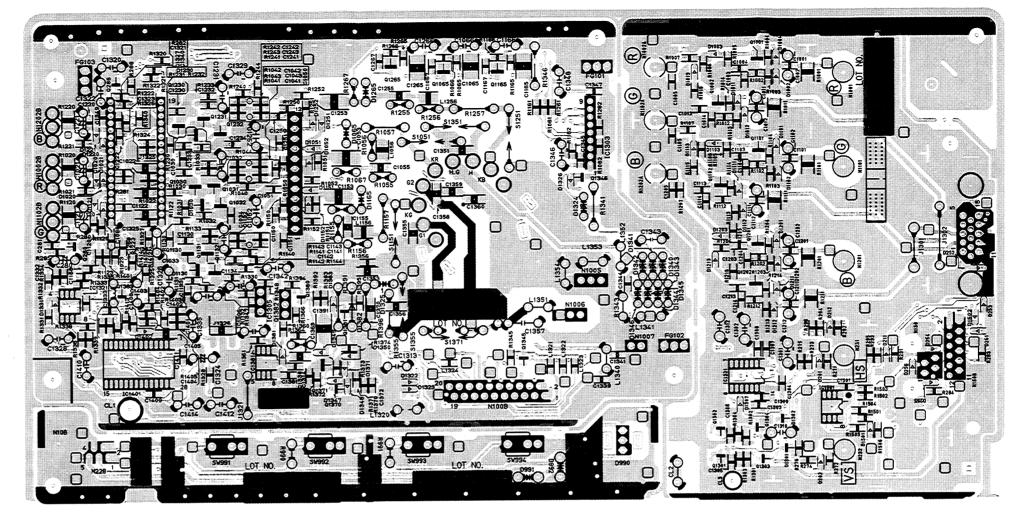
SHEET (9) DAF OUT / TILT CONTROL / TCO for HV10S



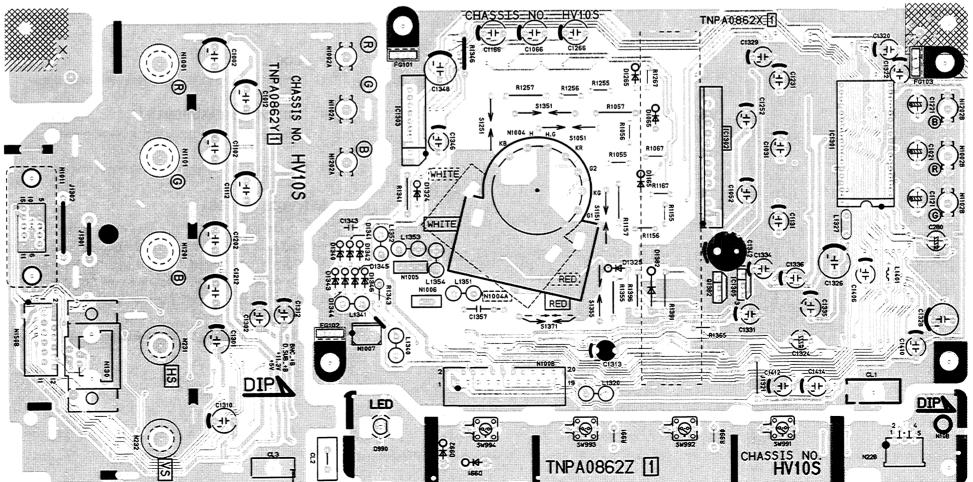




VIDEO BOARD (Solder side)



VIDEO BOARD (Parts side)



SCHEMATIC DIAGRAM

- IMPORTANT SAFETY NOTICE ---

The component identified by shading or international symbol \triangle on the following schematic diagrams incorporate special features important for protection from X-Radiation, fire and electrical shock hazards. When servicing it is essential that only manufacturer's specified parts be used for those critical components.

NOTES:

1. RESISTOR

All resistors are carbon 1/4W resistor, unless otherwise noted by the following marks. Unit of resistance is ohm (Ω), (K = 1,000, M = 1,000,000)

 \bigcirc : Non Flammable \triangle : Solid

: Wire Wound :: Thermistor

: Flame Proof Rectangular

2. CAPACITOR

All capacitors are ceramic 50V capacitor, unless otherwise noted by the following marks. Unit of capacitance is μ F, unless otherwise noted.

Electrolytic (M): Polyester

Tantalum (m): Metalized Polyester

 \bigcirc : Polystyrene \triangle : Mica \triangle : Ceramic \bigcirc : Ceramic

3. COIL

Unit of inductance is μH , unless otherwise noted.

4. VOLTAGE MEASUREMENT

Voltage is measured by a digital meter receiving normal signal.

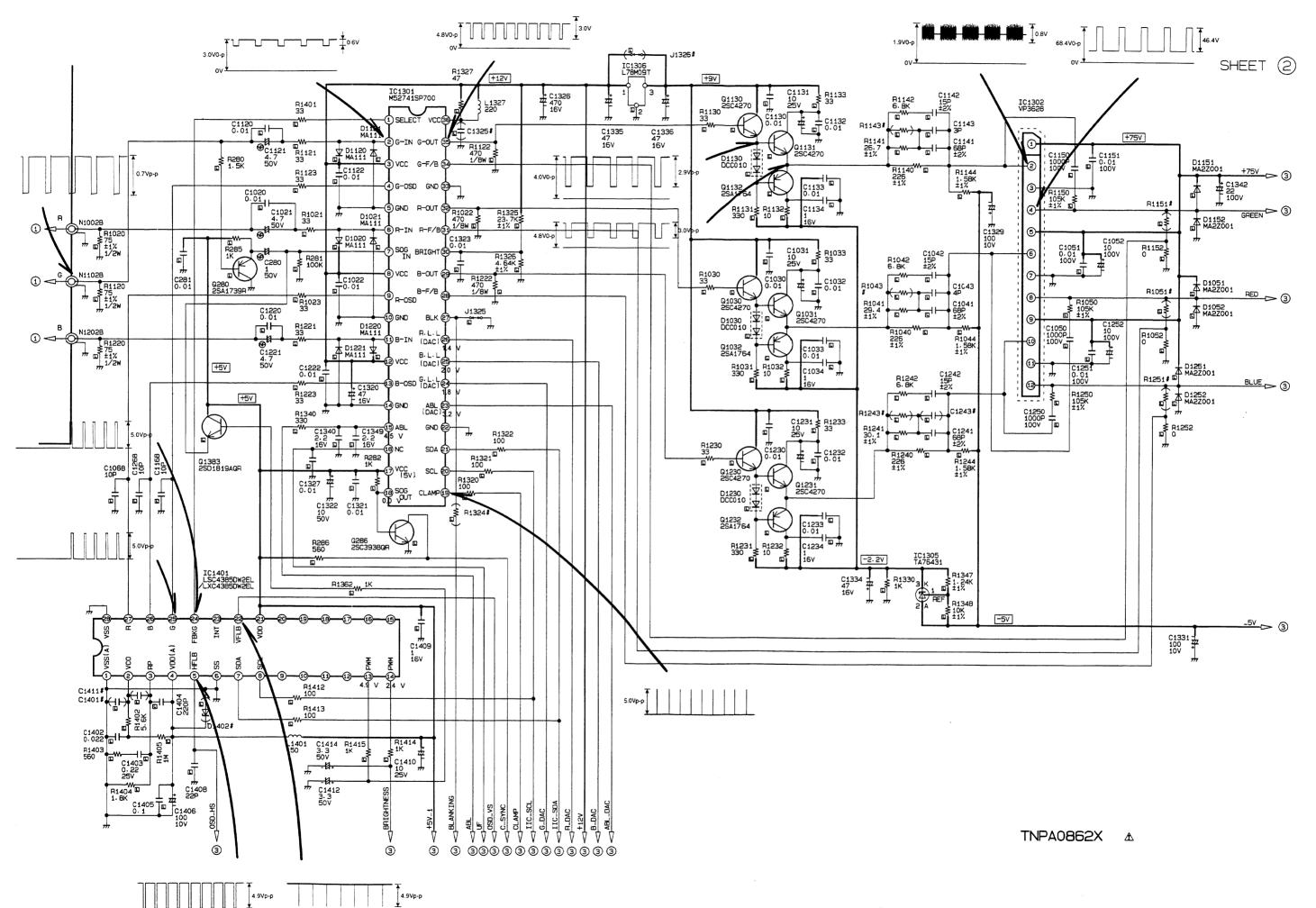
5. This schematic diagram is the letest at the time of printing and is subject to change without notice.

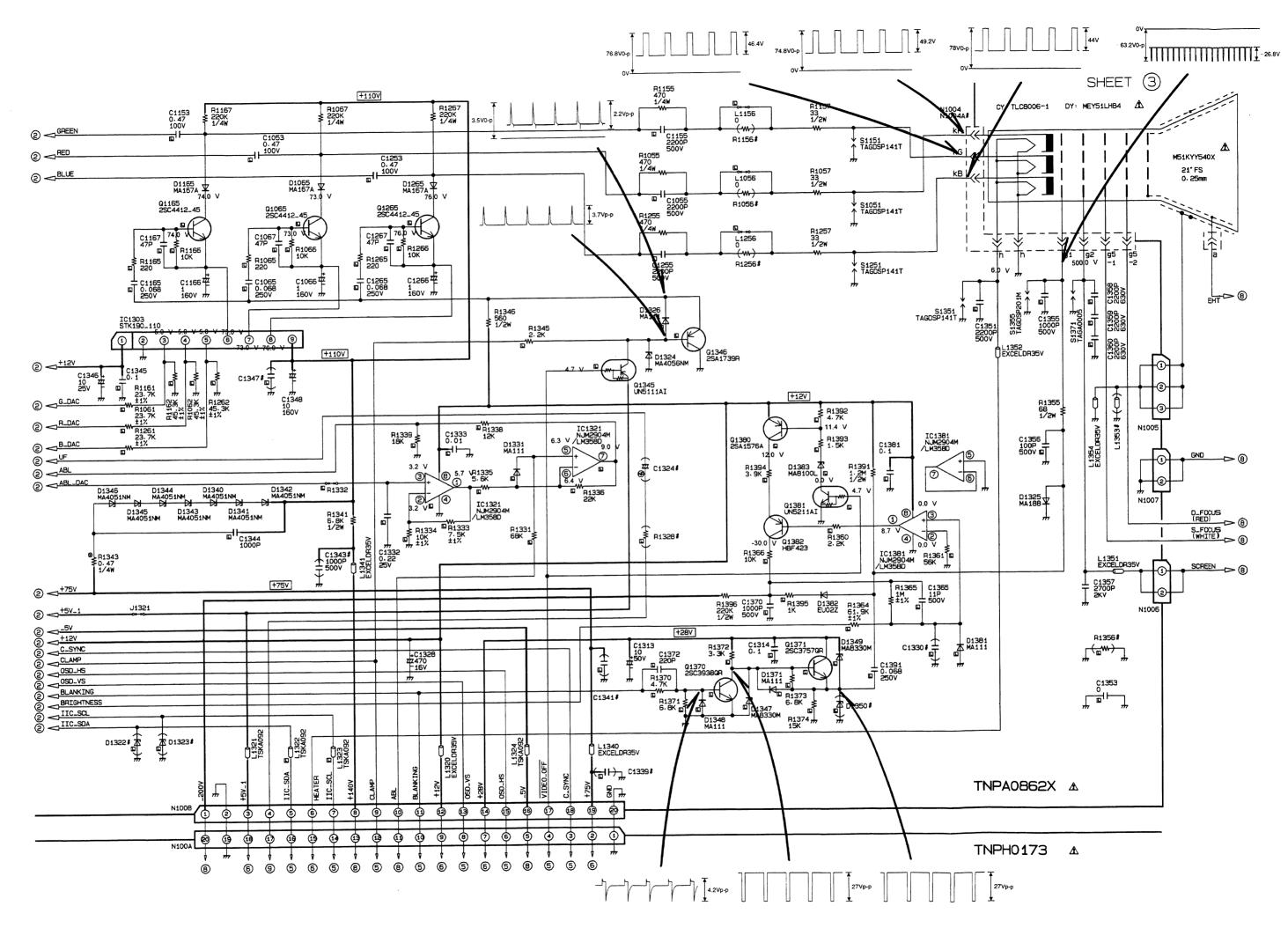
SERVICE NOTES:

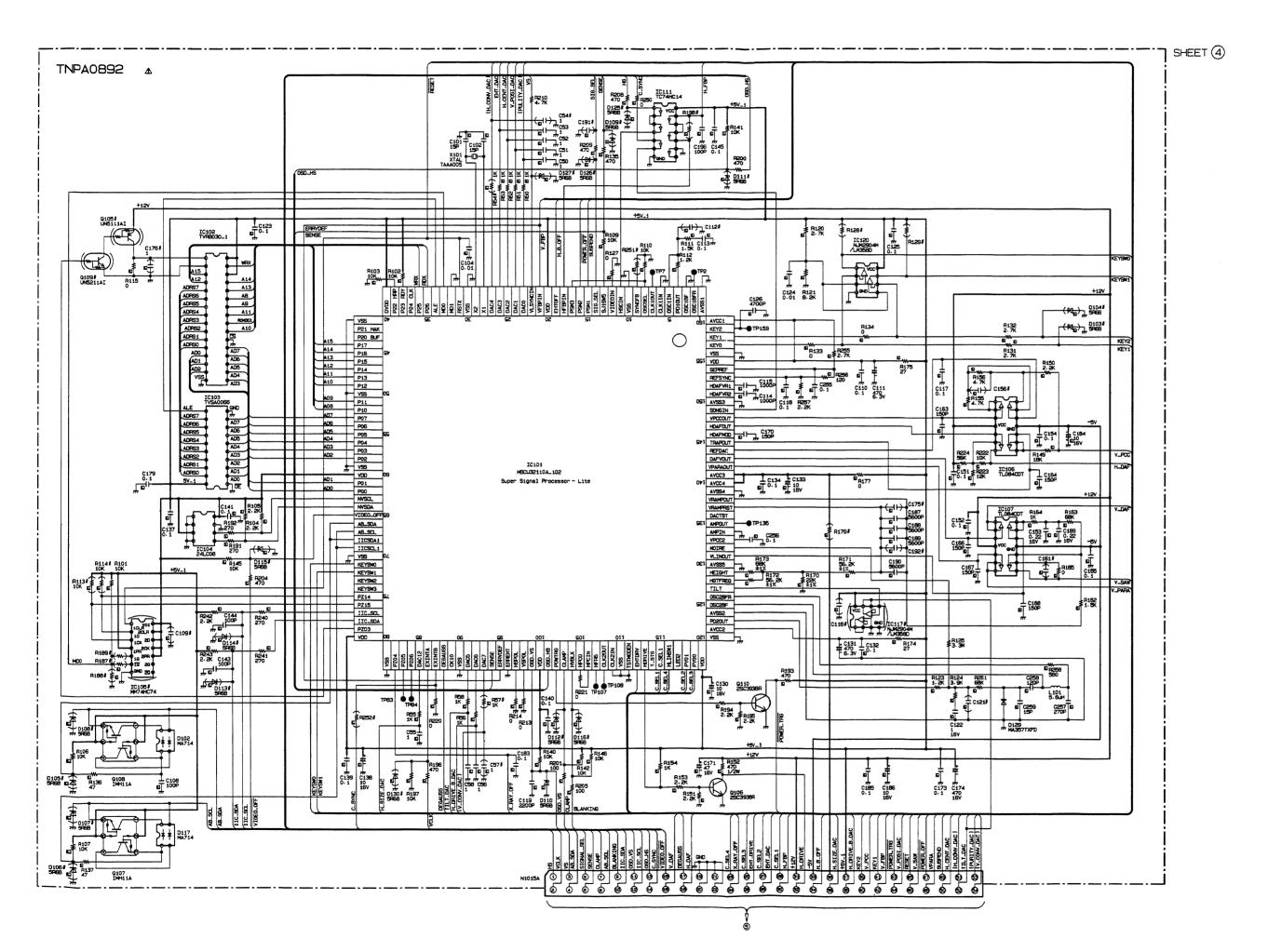
This model has a section that does not share a common ground with the power supply section. The different sections are referred to as the HOT section and the COLD section in the precautions below.

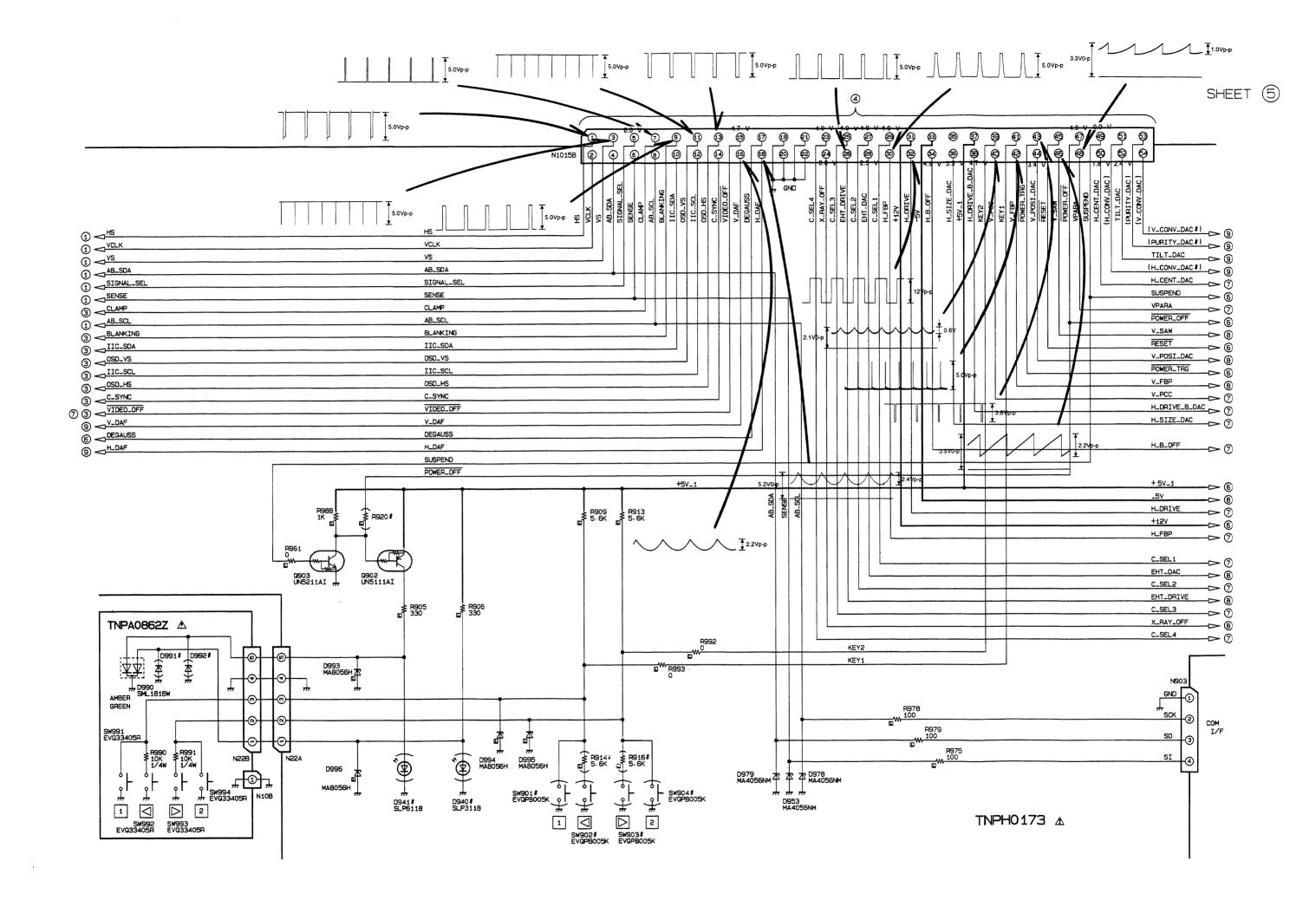
- 1. Do not touch the HOT section and the COLD section at the same time. You may receive an electric shock.
- 2. Do not short the HOT section to the COLD section. This could blow the fuse or damage parts.
- 3. Never measure the HOT section and the COLD section at the same time when using tools such as oscilloscopes or multi-
- 4. Always unplug the unit before beginning any operation such as removing the chassis.

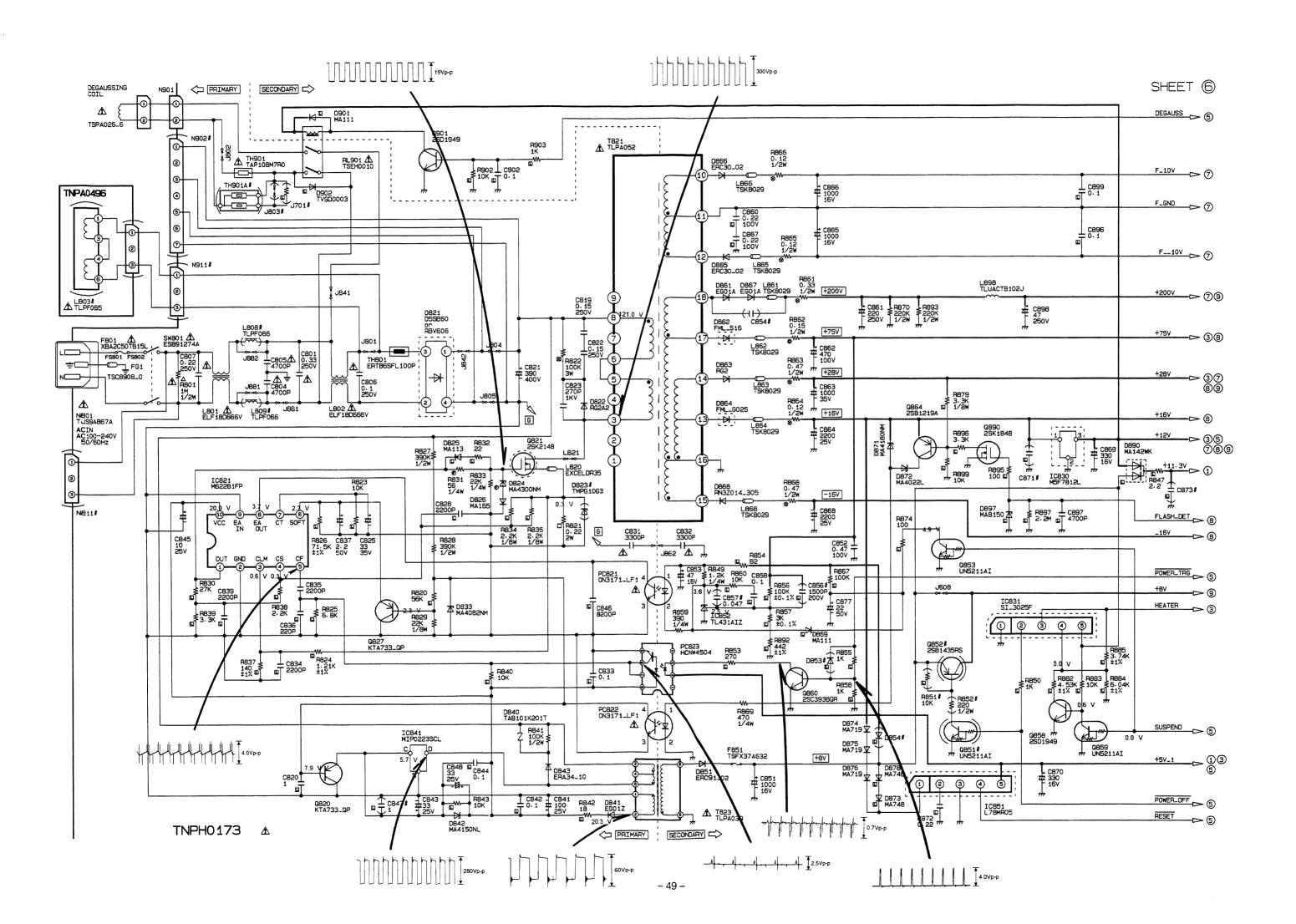
SHEET (1) SCHEMATIC DIAGRAM FOR MODEL No.: : HV10S CHASSIS No. TX-D1F63NM CHASSIS FAMILY NO. : 21HV10S M-1F63TV C1004 100P +11.3V 5.0Vp-p C1302 50V 5.0Vp-p C1001 0.01 D1003 MA111 Q1101 25C4270 | ₹R1102 22K₀ r/ BNC_RED (R1006# N1102A GREEN GREEN D1103 MA111 BNC_GREEN R1005#777 ¥ R1106 R1103# H1103# 12K BLUE BNC_BLUE (D1202 MA111 01201 2SC4270 R1205 ₹ R1206 †11.3V C1205 M R1301 R1302 10K BNC_HS Q1304 UN5211AI BNC_VS D202 MA8056M 15V C1114 100P C1214 100P C1113) C1304 0.01 Д D1307# Д 9 V N1011 **6**-J1302 [①-R1112 ୍ ଡ-<u>ි</u>ල-C1112 220 6. 3V R1214 390 ±1% **13**-์®-D_SUB 3-Q1202 25C4270 R1215# ´ ⑨-₽ R1213 C1307 C1308# **@**-D1302 MA142WA 10-⑤-[[] D1501# _______ R296# (M_a); R1503# 777 D252 MAB056M R1504# D1502# R1502# R1501# ₹ R1506# R1505# C1310 22 47 16V Access R284 330 TNPA0862Y A N150B 4 3 4 6 **©** (3) TNPH0173 A 0.7Vp-p **©** 5 (5) 6 (5) 3.2V0-p 2.5V0-p 4.6Vp-p 5.0Vp-p



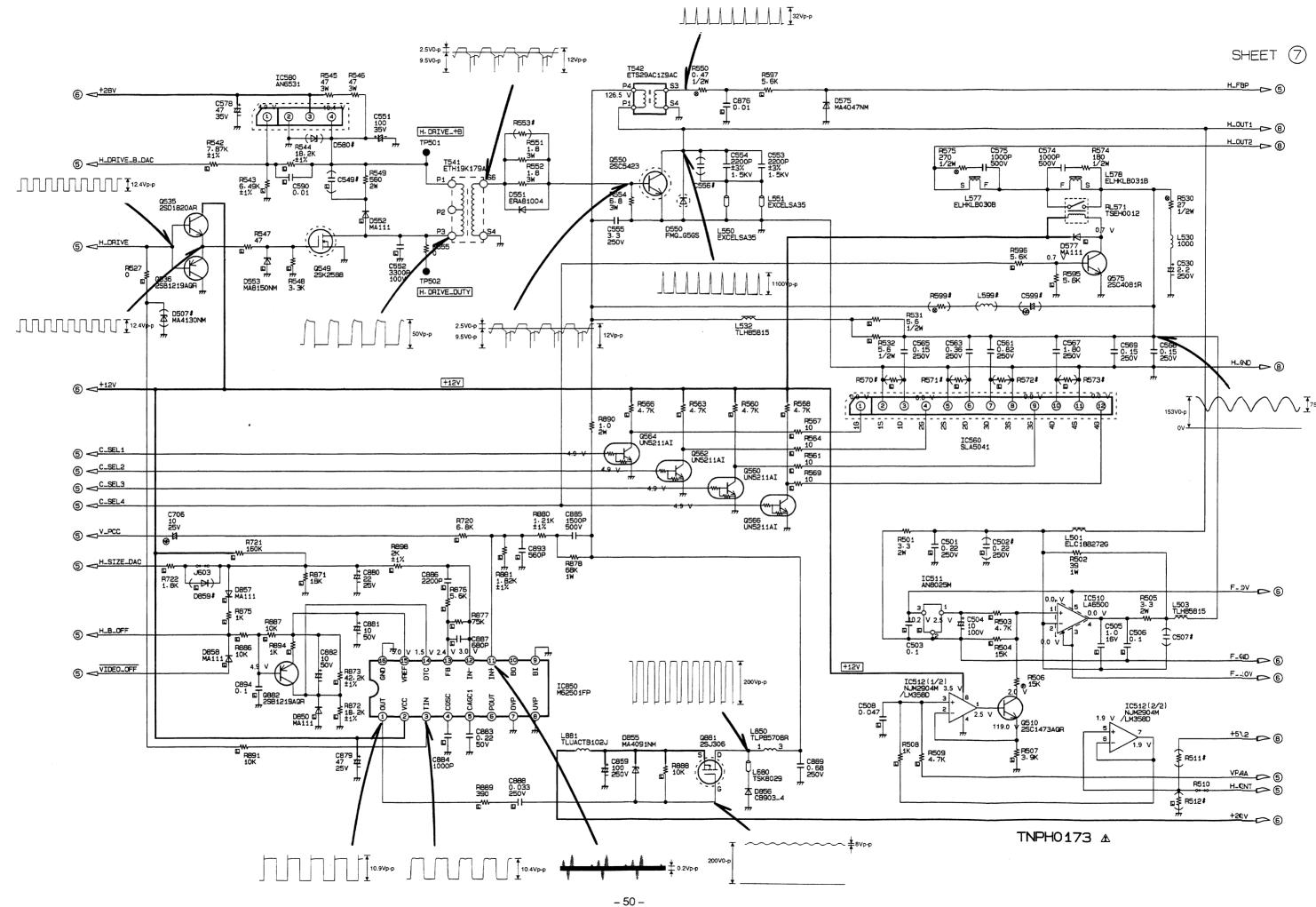


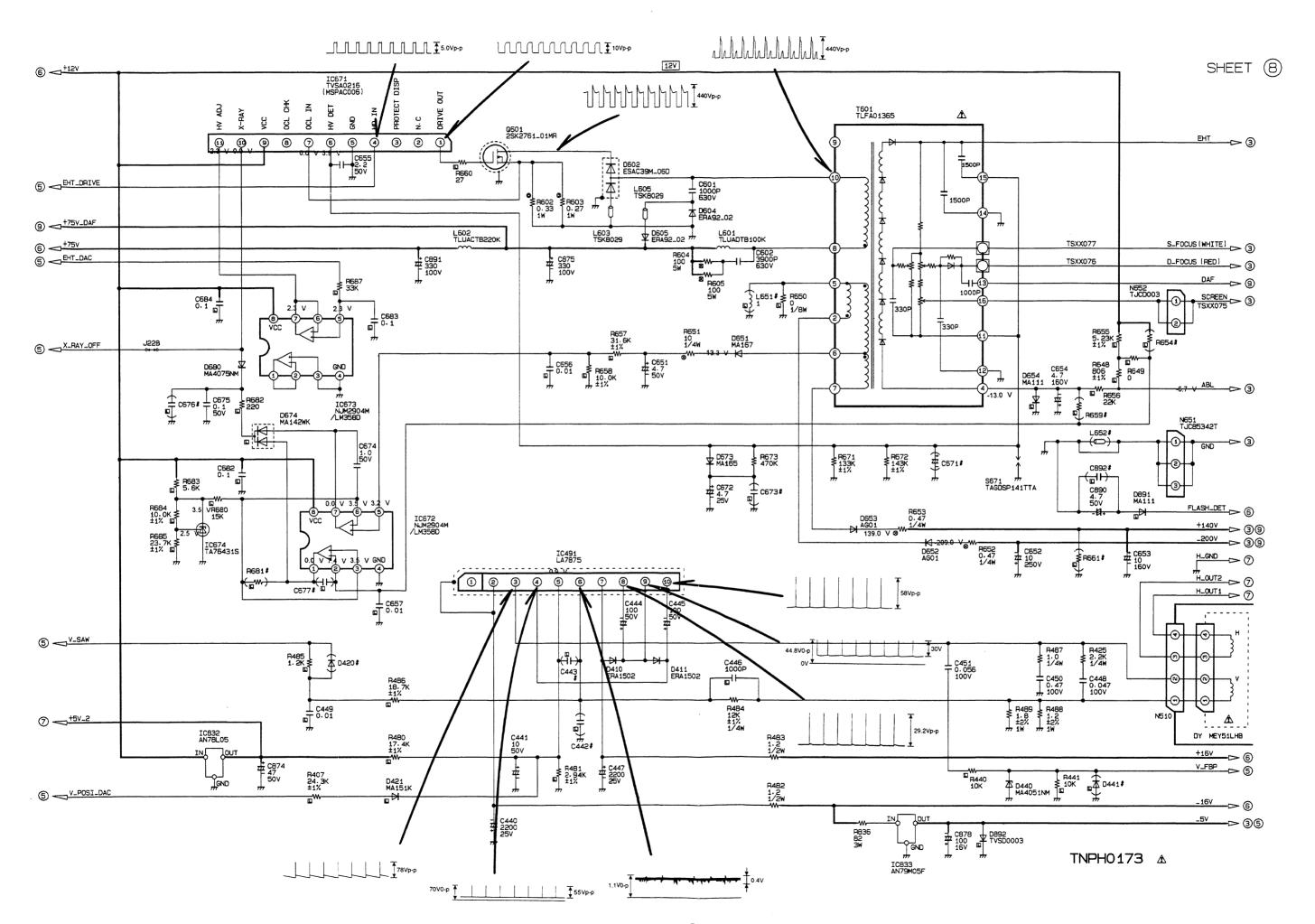


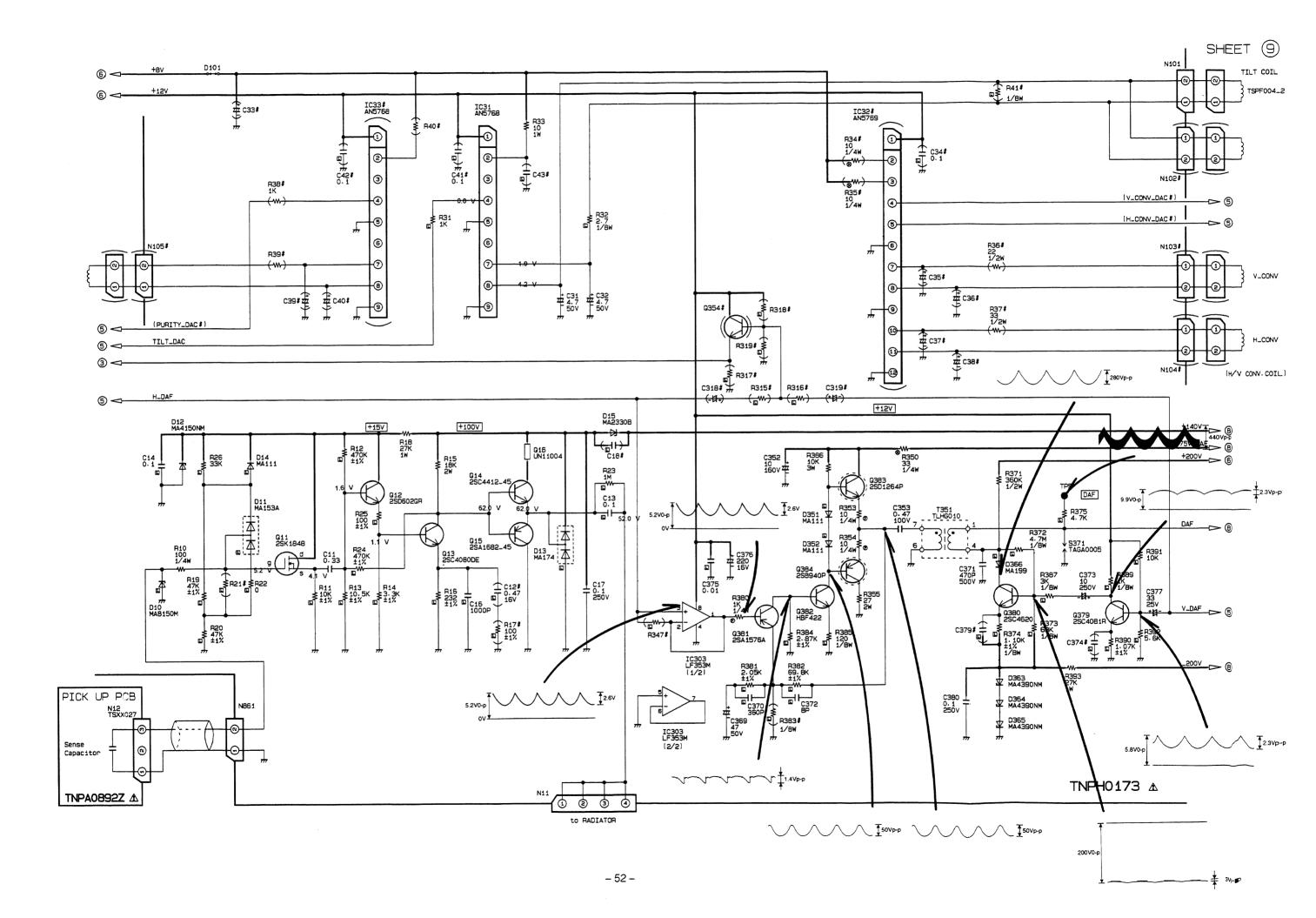




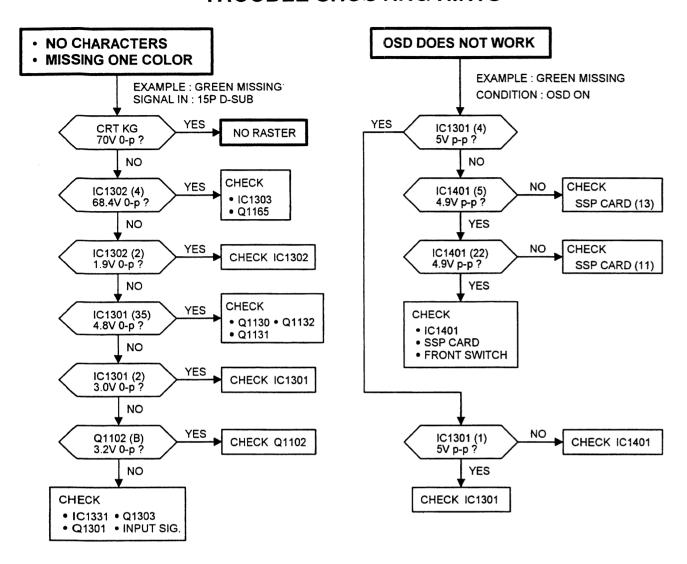
4.0

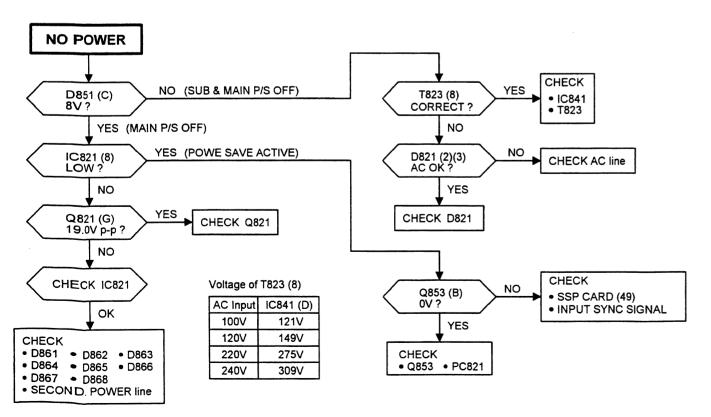


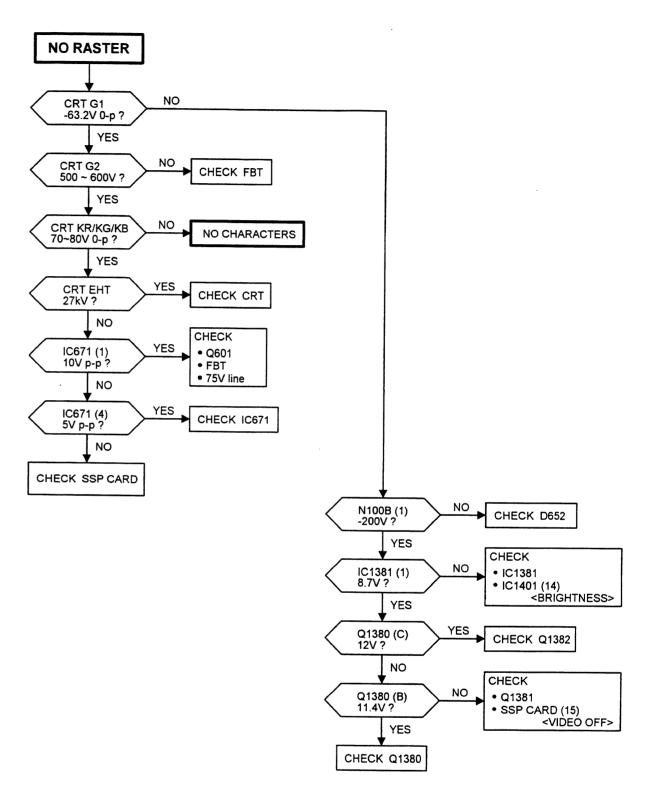


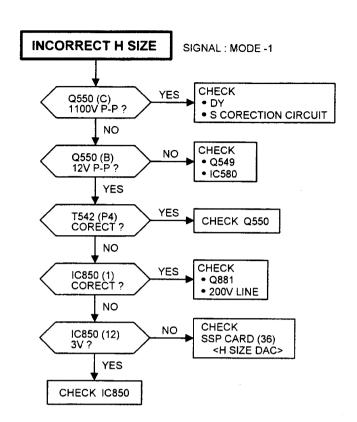


TROUBLE SHOOTING HINTS —



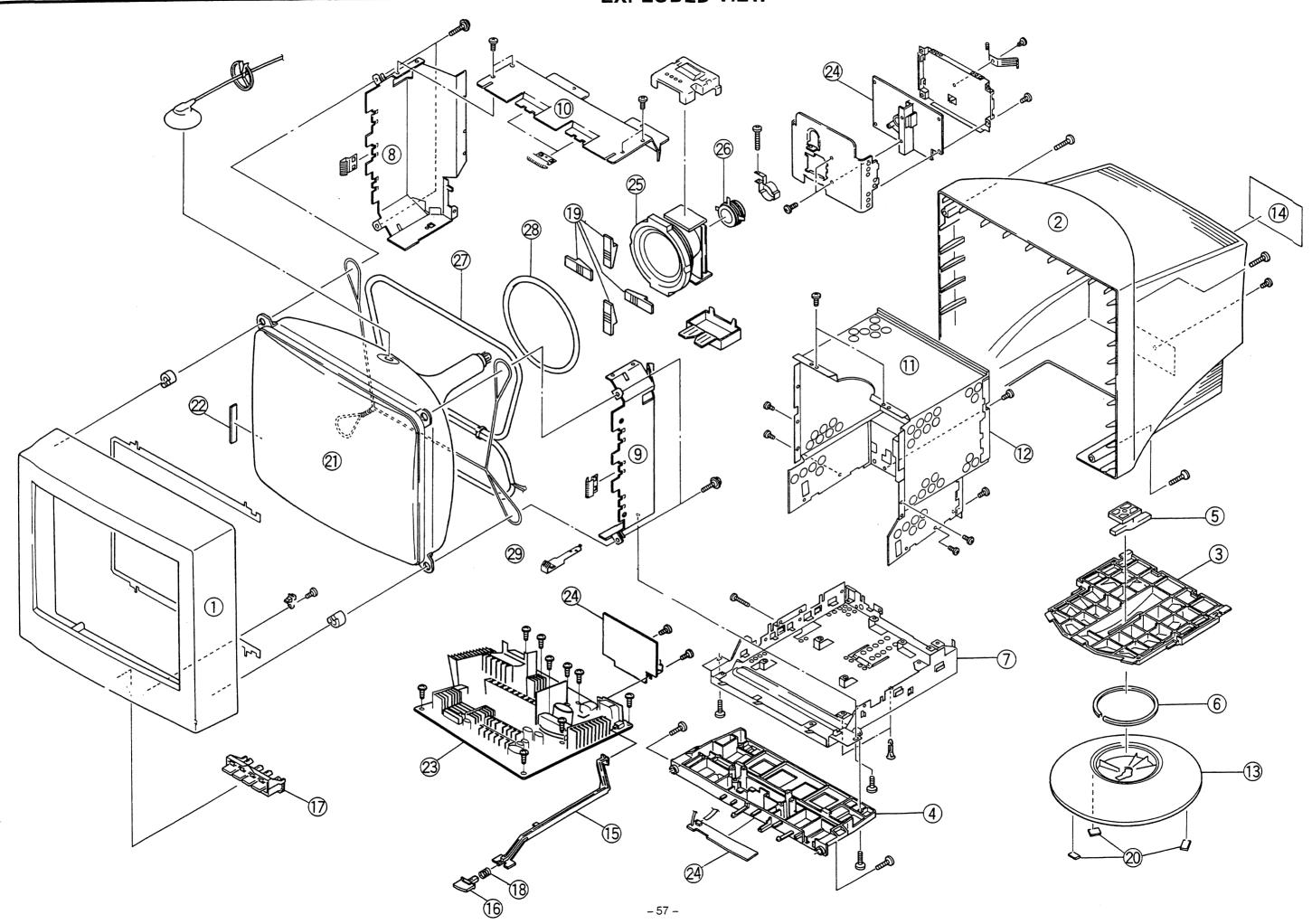






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MEMO



REPLACEMENT PARTSA LIST Ver.1.0 ————

- Important Safety Notice -

Components identified by the International symbol Λ have special characteristics important for safety. When replacing any of these components use only manufacture's specified parts.

RESISTOR

		PART NAME &	DESC	RIPTION	
		TYPE	Al	LOWANCE	
>	С	Carbon	F	± 1%	
	F	Fuse	J	± 5%	
	М	Metal Oxide	K	± 10%	
	s	Solid	M	± 20%	
	W	Wire Wound	G	± 2%	
		Part No.		Description	
xampl	e:	ERD25TJ104 (100	K (J)	1/4W
				~	

- NOTE -

When ordering a flyback transformer, the focus lead (red / white) and the anode lead should also be ordered, without fail.

CAPACITOR

		PART NAME & D	ESC	CRIPTION	
		TYPE		ALLOWANCE]
-	С	Ceramic	С	± 0.25pF	
	Ε	Electrolytic	D	± 0.5pF	
	Ρ	Polyester	F	± 1pF]
	S	Styrol	J	± 5%	
	Т	Tantalum	K	± 10%	
	PP	Polypropylene	L	± 15%	
			М	± 20%	
			Р	+100% - 0%	
			Z	+80% - 20%	∢

	Part No.	Description
Example:	ECKF1H103ZFC	0.01μF (Z)

50V

	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
				Δ		TMM6463	CLAMPER
l		CABINET &		\triangle		TMM81499	PUSH RIVET
		MAIN PARTS		1 "		TMM85576-1	CRT RUBBER
				\triangle	19	TMM85586	RUBBER(WEDGE)
Δ	1	TTYA06701-3	ESCUTCHEON	Λ	.5	TMKE128	FERRITE STICK
<u> </u>			REAR COVER	1 "			
∆		TKSG001-A01	BOTTOM CABINET	Δ		TMKG035	SPONGE
$\overline{\mathbb{A}}$			BASE CABINET	<u>a</u>		TMKG067	RUBBER CUSHION(BIG)
$\overline{\mathbb{A}}$		TKPA13801	FRONT PANEL	$\overline{\mathbb{A}}$	20	TMK84990	SET LEG
				1 4		TQFX040	CONDUCTIVE SHEET
Δ		TKKC5042	LED GUIDE	1		THT1028	SCREW(FOR CRT)
Δ	1		BLIND COVER				
$\overline{\Delta}$	5	TKKX5010	CENTER POST			тнт 1069	SCREW(FOR SHIELD CASE)
_		TKKX5011-1	SPACER RING			XTB4+12J	SCREW
⚠		TKK859745-9	CONNECTOR COVER			XTN5+16LY	SCREW
						XTN5+25J	SCREW
	7	TUAA06401-1	BOTTOM PLATE	1		XTV3+10A	SCREW
		TSAA3004	RADIATOR				
			SHIELD CASE(CRT)R			XTV3+20J	SCREW
		TUCC5084-1	SHIELD CASE(CRT)L			XTV3+8A	SCREW
			SHIELD CASE BRACKET		1	XYA4+EF8	SCREW
					,	XYA4+EJ10	SCREW
	11	TUCC5115	SHIELD CASE	1	1	XYE3+EJ10	SCREW
		TUCC5116-2	SHIELD CASE(REAR)	1			
Δ	13	TBLB3002-A01	PEDESTAL	Δ	21	M51KYY540X	COLOR PICTURE TUBE
$\overline{\Delta}$			MODEL NAME LABEL	-		TNPA0892-23	PC BOARD W/COMPONENT
Δ	15	TBXA04401	POWER SWITCH SHAFT				(SSP/TCO)
				\triangle	23	TNPH0173-23	PC BOARD W/COMPONENT
Δ	16	TBXA09601	KNOB(POWER SWITCH)	-			(MAIN)
\triangle	17	TBXA09701	KNOB(CONTROL)	1			, , , , , , , , , , , , , , , , , , , ,
		TESAO12	SPRING(CRT EARTH)		24	TXANP4F63VLM	PC BOARD W/COMPONENT
		TESA046	SPRING(CRT EARTH, BOTTOM)				(VIDEO INPUT/CRT/KBD)
	18	TESDOO8	SPRING(POWER SWITCH)	Δ	25	MEY51LHB4	DEFLECTION YOKE
				$\overline{\mathbb{A}}$		TLCB006-1	CONVERGENCE COIL
		TESHO17	FBT SPRING	$\overline{\Delta}$		TSPA026-6	DEGAUSS COIL
		TES8586	EARTH SPRING	-			
Δ		TMME023	TILT COIL CLAMPER(BIG)	Δ	28	TSPF004-2	TILT COIL
Δ		тммеоз4	PC BOARD SPACER	$\overline{\mathbb{A}}$		TSXA023	POWER CORD<-M>
\triangle		TMME035	DEGAUSS COIL CLAMPER, SIDE			TSXA076	POWER CORD<-E>
				1		TSXF051-1	SIGNAL CORD
△		TMME052	LEAD CLAMPER(SMALL)			TSXL030	FLAT CORD(5P)
\triangle			DEGAUSS COIL CLAMPER	ĺ			
Δ		TMM15404-1	SPACER RING	Δ		TSXL055	FLAT CORD(20P)
Δ		TMM16452	TILT COIL CLAMPER	$\overline{\Delta}$		TSXX075	SCREEN LEAD(RED)

SEXECUTE COLUMN SECURITY				T	T	T	T
TSXXO73	_	Ref.No.		Description			Description
### A	₩				1 1		•
### #################################	₹		1		1 1	1	1
TSMAOGS					1 1'		i e
T4F31519Q	∆ ∆				1 1		1
TAF724250 COTTON TAPE(SM)			I SMAOO3	MAGNET	Q106	25C3938R	TRANSISTOR
TAF90240 MAIRA TAPE D286 C503938 TRANSISTOR					Q110		
TPCA62701 DUTER CARTON COTTON COSTON		1	1	, ,			
TXAPD2D21718 FILLER(FOTTOM)		1		1	1 1		1
TXAPD2D2171T FILLER(TOP) TPE894011-2 SET COVER O382 SS014674B TRANSISTOR O382 SS014674B TRANSISTOR O382 SS014674B TRANSISTOR O383 SS014674B TRANSISTOR O384 SS014674B TRANSISTOR O384 SS014674B TRANSISTOR O384 SS014674B TRANSISTOR O384 SS01467B TRANSISTOR O384 SS01467B TRANSISTOR O384 SS01467B TRANSISTOR O384 TRANSISTOR O385	1				1	1	
TPEB94011-2 SET COVER TORS13-2 TORS			XAPU2U21/1B	FILLER(BOTTOM)	Q380	2SC4620V25	TRANSISTOR
∆ TQE8513-2 FUN BAG COVER 1057 FULL NSTRUCTION BODK 2384 25910/PL 1057 FULL NSTRUCTION BODK 25017/PL 25017/P		1	!	1	1	1	TRANSISTOR
TOBECAGE INSTRUCTION BOOK COMPANY COMP		1	l	1	1	1	1
TQFA343	^	i	l '	1	1 1	1	1
TQFA360 TQFA360 TQFA332 − FTB LABEL (INNER) TQF8362 − FTB LABEL (INNER) TQF85362 − FTB LABEL (INNER) EARTHOLABEL − SERIAL NO. LABEL −	△	1					
TOFA532			TQFA343	BAR CODE LABEL	Q510	2SC1473AR	TRANSISTOR
TOFF83825-6 CARTON LABEL			1 -				TRANSISTOR
TQF85363-8 CARTON LABEL<-M> Q560 Q560 UN5211AI TRANSISTOR UN5211AI TRANSISTOR UN5211		1			1 1	1	TRANSISTOR
TQF85363-8 CARTON LABEL					1 1	2SK2588	TRANSISTOR
∆ TQF86608 EARTH CAUTION LABEL 0562 UNS211AI TRANSISTOR I.C 1.C 0564 UNS211AI TRANSISTOR IC101 CU32110A-107 IC 0575 2SC4081R TRANSISTOR IC101 CU32110A-107 IC 0820 2SX2761-01MR TRANSISTOR IC106 F347MX IC 0821 2SK214B TRANSISTOR IC107 F347MX IC 0823 2SK214B TRANSISTOR IC111 TC74HC14AF IC 0853 UNS211AI TRANSISTOR IC120 NuM290AM IC 0858 2SD1949Q TRANSISTOR IC511 AR6500-FA IC 0860 2SC3939R TRANSISTOR IC512 NuM290AM IC 0860 2SS1219AQ TRANSISTOR IC513 ANM290AM IC 0882 2SB1219AQ TRANSISTOR IC673 NuM290AM IC 0901 2SD1949Q TRANSISTOR IC673 NuM290AM IC 0902				1	1		TRANSISTOR
1.C			TQF85363-8	CARTON LABEL<-E>	Q560	UN5211AI	TRANSISTOR
I.C	⚠		TQF86608	EARTH CAUTION LABEL		1	TRANSISTOR
C311 ANST6B							TRANSISTOR
IC31			I.C		1		TRANSISTOR
C1010 CU32110A-107 C						2SC4081R	TRANSISTOR
C104					Q601	2SK2761-01MR	TRANSISTOR
C106				•	1		
C107							TRANSISTOR
C1111 TC74HC14AF IC Q858 Q858 Q859 Q851949Q TRANSISTOR C120 Q858 Q858 Q858 Q859		1 1					TRANSISTOR
		10107	LF347MX	Ic			
C120 NJM2904M		7044	TOT 41104 4 : -		1 1 .		
CC303					Q858	2SD1949Q	TRANSISTOR
CC491 LA7875N C							
IC510					1 1'		1
IC511 AN8025M							
C511 ANBO25M C		10310	LAGSOU-FA	10			
CC512 NJM2904M IC CC512 NJM2904M IC CC512 NJM2904M IC CC512 NJM2904M IC CC513 NJM2904M IC CC503 NJM215 NJM2904M IC CC503 NJM25 NJ		10514	ANROSEM	10	1 1.		
IC580 AN6531					W887	Z3B1Z1YAQ	I KANSISIUR
TVSA0216					0890	2SK1848	TRANSISTOR
IC672 NJM2904M						l	,
IC673 NJM2904M					1 1	L	1
IC674							1
IC674 TA76431S IC IC821 M62281FP IC IC830 M5F7812L IC IC830 M5F7812L IC IC831 SI-3025F HYBRID IC IC832 AN78L05 IC IC833 AN79M05F IC IC841 MIP02235CL IC IC841 MIP02235CL IC IC851 L78MR05 IC IC851 L78MR05 IC IC852 IC852 IC852 IC852 IC852 IC853 IC852 IC852 IC853 IC852 IC853 IC852 IC854 IC854 IC854 IC854 IC854 IC854 IC855 IC8		IC673	NJM2904M	IC			1
IC830 M5F7812L IC				i			
IC830 M5F7812L IC		IC821			Q1030	2SC4270	TRANSISTOR
IC831 SI-3025F				IC	1 1	1	
IC832		IC831	SI-3025F	HYBRID IC		L	i ,
IC832 AN78LO5				[1 1		
IC841 MIPO223SCL IC IC850 M62501FP IC IC851 L78MR05 IC Q1131 2SC4270 TRANSISTOR TRANSISTOR TRANSISTOR Q1132 2SA1764 TRANSISTOR TRANSISTOR Q1132 2SC4270 TRANSISTOR Q1132 2SC4270 TRANSISTOR Q1165 2SC4412-45 TRANSISTOR Q1202 2SC4270 TRANSISTOR Q1202 2SC4270 TRANSISTOR Q1202 2SC4270 TRANSISTOR Q1202 2SC4270 TRANSISTOR Q1203 2SC4412-45 TRANSISTOR Q1203 2SC4412-45 TRANSISTOR Q1203 2SC4412-45 TRANSISTOR Q1203 2SC41764 TRANSISTOR Q1204 2SC41764 TRANSISTOR Q1204 2SC41764 TRANSISTOR Q1205 2SC41764					Q1102		i .
IC850 M62501FP				1			
IC851 L78MR05					Q1130	2SC4270	TRANSISTOR
IC851 L78MR05				1	Q1131		
IC852 TL431AIZ IC IC IC1301M52741SP701 IC IC1302VP3628 HYBRID IC IC1303STK190-110 HYBRID IC IC1305TA76431S IC IC1306L78M09T IC IC1321NJM2904M IC IC1331MM74HCT00MX IC IC1381NJM2904M IC IC1305C4385DW2 IC IC1305C4385DW2 IC IC1305C4385DW2 IC1401LSC4385DW2 IC2560 IC360		IC851	L78MRO5	IC		2SA1764	l l
IC852 TL431AIZ IC IC1301M52741SP701 IC IC1302VP3628 HYBRID IC IC1303STK190-110 HYBRID IC IC1305TA76431S IC IC1305TA76431S IC IC1306L78M09T IC IC1321NJM2904M IC IC1331MM74HCT00MX IC IC1381NJM2904M IC IC1305C4385DW2 IC IC1401LSC4385DW2 IC IC1401LSC4385DW2 IC IC360 SLA5041 TRANSISTOR IC360 I			L		1 .	2SC4412-45	
⚠ IC1302VP3628 HYBRID IC Q1230 2SC4270 TRANSISTOR IC1303STK190-110 HYBRID IC Q1231 2SC4270 TRANSISTOR IC1305TA76431S IC Q1232 2SA1764 TRANSISTOR IC1306L78M09T IC Q1301 2SA1576A TRANSISTOR IC1321NJM2904M IC Q1303 UN5211AI TRANSISTOR IC1381NJM2904M IC Q1345 UN5111AI TRANSISTOR IC1401LSC4385DW2 IC Q1346 2SA1739R TRANSISTOR TRANSISTOR Q1370 2SC3938R TRANSISTOR IC560 SLA5041 TRANSISTOR Q1380 2SA1576A TRANSISTOR					Q1202	2SC4270	TRANSISTOR
C1303STK190-110							
IC1305TA76431S							· · · · · · · · · · · · · · · · · · ·
C C C C C C C C C C							TRANSISTOR
IC 1306 78M09T		101305	IA/64315	1C			
IC1321NJM2904M		101222	704007	7.0		l	l l
IC1331MM74HCTOOMX				1	Q1301	2SA1576A	TRANSISTOR
IC1381NJM2904M				1			
IC1401LSC4385DW2		101201	VIIVI / 4HC I OOMX	i			
Q1370 25C3938R TRANSISTOR Q1371 25C3757Q TRANSISTOR							
TRANSISTORS Q1371 2SC3757Q TRANSISTOR IC560 SLA5041 TRANSISTOR Q1380 2SA1576A TRANSISTOR		161401	L3C4385DW2	li C			
IC560 SLA5041 TRANSISTOR Q1380 2SA1576A TRANSISTOR			TDANCTOTOC				
			I KANSISTORS		Q1371	25C3757Q	TRANSISTOR
		10560	SLA5041	TRANSISTOR	01380	2SA1576A	TRANSISTOR
		Q11_	2SK1848	TRANSISTOR			TRANSISTOR

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
	2SA1767Q	TRANSISTOR	D865	ERC30-02	DIODE
Q1383	2SD1819AQ	TRANSISTOR	D866	ERC30-02	DIODE
İ			D867	EGO1A	DIODE
	DIODES		D868	RN3Z014-305	DIODE
	0.0000		D869	MA111	DIODE
D10	MA8150M	DIODE	0803	MA I I I	DIODE
	i .	r r	0074	MAA A A DONINA	DIODE
	MA 153A	DIODE	D871	MA418ONM	DIODE
	MA4150NM	DIODE	1	MA4022L	DIODE
D13	MA 174	DIODE	D873	MA748	DIODE
D14	MA111	DIODE	D874	MA719	DIODE
1			D875	MA719	DIODE
D15	MA2330B	DIODE			
1	DTZTT115R6B	DIODE	D876	MA719	DIODE
-	MA357	DIODE	1 -	1	DIODE
I	i			MA748	1
	MA8056M	DIODE		MA142WK	DIODE
D212	MA8056M	DIODE	i	MA111	DIODE
ł			D892	TV\$D0003	DIODE
D251	MA8056M	DIODE	1	1	
D252	MA8056M	DIODE	D897	MA8150M	DIODE
1	MA 1 1 1	DIODE	\$	MA 1 1 1	DIODE
	MA111	· ·			l .
	1	DIODE	1	TVSD0003	DIODE
D363	MA4390NM	DIODE	1	MA4056NM	DIODE
	1		D978	MA4056NM	DIODE
1 -	MA4390NM	DIODE	1		
D365	MA4390NM	DIODE	D979	MA4056NM	DIODE
	MA199	DIODE	1	SML1816W	DIODE(LED)
	ERA1502	DIODE		MA8056H	DIODE
		1	\$	1	
D411	ERA1502	DIODE	1	MA8056H	DIODE
	1		D995	MA8056H	DIODE
D421	MA704	DIODÉ	ŀ		
D440	MA4051NM	DIODE	D996	MA8056H	DIODE
D550	FMQ-G5GSLF	DIODE	D1011		DIODE
	ERA81004	DIODE	D1012		DIODE
D552	MA111	DIODE	D1013		DIODE
0332	1 th	D100E	l l	,	i
			D1020	MAIII	DIODE
	MA8150M	DIODE	L		
	MA4047NM	DIODE	D1021	MA 1 1 1	DIODE
D577	MA111	DIODE	D1030	DCC010	DIODE
D602	ESAC39M-06D	DIODE	D1051	MA2Z001	DIODE
D604	ERA92-02	DIODE		MA2Z001	DIODE
-			l l	MA 167A	DIODE
D605	ERA92-02	DIODE	P.000	1.10.12	P1662
I.	MA167	DIODE	D1111	888444	DIODE
		1			DIODE
D652	TVSAG01	DIODE	D1112		DIODE
D653	TVSAGO1	DIODE	D1113	1	DIODE
D654	MA111	DIODE	D1120	MA 1 1 1	DIODE
			D1121	MA111	DIODE
D673	MA 165	DIODE		1	
	MA142WK	DIODE	01130	DCC010	DIODE
	MA4075NM	DIODE	ì	MA2Z001	DIODE
					4 · · ·
5	RBV606	DIODE	5	MA 2 Z O O 1	DIODE
D822	RG2A2	DIODE		MA 167A	DIODE
į			D1211	MA 1 1 1	DIODE
D824	MA4300NM	DIODE			
1	MA113	DIODE	D1212	MA 1 1 1	DIODE
1	MA 165	DIODE	D1213		DIODE
1	MA4082NM	DIODE	D1213		DIODE
L	II .	, ,			l ' '
D840	TAB101K201T	VARISTOR	D1221		DIODE
L			D1230	DCC010	DIODE
	EGO1Z	DIODE			
D842	MA4150NL	DIODE	D1251	MA2Z001	DIODE
L	ERA34-10	DIODE		MA2Z001	DIODE
- t_	MA111	DIODE		MA 167A	DIODE
D851	ERC91-02	DIODE		MA142WA	DIODE
P 3 '	LN031 02				
b		h	D1324	MA4056NM	DIODE
I	MA4091NM	DIODE		1	
	CB903-4	DIODE	D1325	MA 188	DIODE
D857	MA111	DIODE	D1326	MA111	DIODE
D858	MA111	DIODE	D1331		DIODE
D861	EGO1A	DIODE		MA4051NM	DIODE
[33 i	-40.4	7.302			
00	510	D. 2005	D1341	MA4051NM	DIODE
D862	FML-S16S	DIODE			
				BAA AOF ANDA	m
D863	TVSRG2 FML-GO2S	DIODE		MA 4051NM MA 4051NM	DIODE

L	Ref.No.	1	Description	Ref.No	Part No.			ription	
			DIODE	C16			OOOPF	J	50V
1 1	D1345	MA4051NM	DIODE	C17	ECQE2104KF	P	0.1UF	K	200V
	D1346	MA 405 1 NM	DIODE	C31	ECEA1HGE4R7	E	4.7UF		50V
	D1347	MA833OM	DIODE	C32	ECEA1HGE4R7	E	4.7UF		50V
	D1348	MA111	DIODE	C51		С	1UF	Z	16V
						_		_	
			DIODE	C52		C	1UF	Z	16V
		MA 1 1 1	DIODE	C53	1	С	1UF	Z	16V
	D1381		DIODE	C55	ECJ2VF1C105Z		1UF	Z	16V
			DIODE	C56		С	1UF	Z	16V
	D1383	MA8100L	DIODE	C58	ECJ2VF1C105Z	С	1UF	Z	16V
		COIL &		C101	ECUX1H150JCN	С	15PF	J	50V
		TRANSFORMERS		C102	ECUX1H150JCN		15PF	Ū	50V
				C104	ECUX1H103KBG		0.01UF	ĸ	50V
	L101	ELJFA5R6JB	CHIP COIL	C110		c c	0.1UF	Ž	50V
		ELC18B272G	CHOKE COIL	C111		E	470UF	_	6.3V
			I .	P 1 1 1	ECACOMG471	_	47001		6.3V
		TLH85815T	COIL	2440	E 0117/4 0 4 0 4/4 0 7	_	=		
		ELEY102KA	PEAKING COIL	C113		C	0.1UF	K	167
	L532	TLH85815T	COIL	C114			000PF	K	50 V
				C115			000PF	K	50V
	L550	EXCELSA35T	LC COMBINATION	C117	ECJ2VF1H104Z	С	0.1UF	Z	50 V
	L551	EXCELSA35T	LC COMBINATION	C118		С	0.1UF	Z	50V
Δ		ELHKLBO30B	COIL					_	
		ELHKLB031B	COIL	C119	ECUX1H222JCX	c -	200PF	ن	50V
		4	PEAKING COIL	C122	ECUX1C105KBW				
	L601	LOADIBIOOK	FLANING COIL		ECUXICIOSKEW I	Č	1UF	K	16V
		TI HACNIDOON	DEAKING COTI	C123			0.1UF	Z	50V
		TLUACNB220K	PEAKING COIL	C124	ECUX1H103KBG		0.01UF	K	50V
	L603	TSK8029	FERRITE CORE	C125	ECJ2VF1H104Z	С	0.1UF	Z	50 V
		TSK8029	FERRITE CORE						
	L680	TSK8029	FERRITE CORE	C126			1700PF	K	50V
\triangle	L801	ELF18D666V	LINE FILTER	C130		E	10UF		167
			 	C131		Ē	470UF		6.3V
Δ	L802	ELF18D666V	LINE FILTER	C132		c	0.1UF	z	50V
_	L820	EXCELDR35C	LC COMBINATION	C133		E	10UF	-	16V
	L850	TLP85708R	CHOKE COIL	P 133	CE + CG COG	_	1001		, G V
_	L861	TSK8029	FERRITE CORE	C134	ECJ2VF1H104Z	^	0.405	7	E0./
			l l			C	0.1UF	Z	50V
	L862	TSK8029	FERRITE CORE	C137		C	0.1UF	Z	50V
		Lauran		C138	ECEV1CG100G	E .	10UF	_	16V
	L863	TSK8029	FERRITE CORE	C139		С	0.1UF	Z	50V
	L864	TSK8029	FERRITE CORE	C140	ECJ2VF1H1O4Z	С	0.1UF	Z	50V
	L865	TSK8029	FERRITE CORE	1	[
	L866	TSK8029	FERRITE CORE	C141	ECJ2VF1H1O4Z	С	0.1UF	Z	5 0 V
	L868	TSK8029	FERRITE CORE	C143	ECUX1H101JCG	С	100PF	J	50V
				C144	ECUX1H101JCG		100PF	Ĵ	50V
	L881	TLUACNB102J	PEAKING COIL	C145		c	0.1UF	ž	50V
	L898	TLUACNB102J	PEAKING COIL	C151		C	0.1UF	z	50V
		EXCELDR35C	LC COMBINATION	۲.3۱	104Z	_	J. 10F	_	J. V
				h450	EC IOVE TUTO	^	0.405	~	ا بر
		TSKA092	FERRITE CORE	C152	ECJ2VF1H104Z		0.1UF	Z	50V
	L1322	TSKA092	FERRITE CORE	C153	ECUX1C224KBX	C C	22UF	K	16V
		L	L	C154	ECJ2VF1H104Z	C	0.1UF	Z	50V
		TSKA092	FERRITE CORE	C155	ECJ2VF1H104Z		0.1UF	Z	50V
		TSKA092	FERRITE CORE	C163	ECUX1H151JCG	С	150PF	J	50V
.	L1327	ELESN221KA	PEAKING COIL						į
	L1340	EXCELDR35C	LC COMBINATION	C164	ECUX1H151JCG	С	150PF	J	50V
		EXCELDR35C	LC COMBINATION	C166	ECUX1H151JCG		150PF	Ü	50V
				C167	ECUX1H151JCG		150PF	J	50V
	L1351	EXCELDR35C	LC COMBINATION	C168	ECUX1H151JCG		150PF	J	50V
		EXCELDR35C	LC COMBINATION	C169	ECUX1C224KBX				
				F103	LUUN IUZZ4KBA	• ().22UF	K	1 5 V
i	i	EXCELDR35C	LC COMBINATION	0177		_			
		ELEXH151KA	PEAKING COIL	C170	ECUX1H151JCG		150PF	J	50V
Δ	T351	TLHG010	D.A.F. TRANSFORMER	C171		E	47UF		15V
				C173	ECJ2VF1H104Z	С	0.1UF	Z	5 0 V
Δ	T541	ETH19K179AM	H.DRIVE TRANSFORMER	C174	ECA1CHG471	E	470UF		15V
	T542	ETS29AC1Z9AC	TRANSFORMER	C179	ECJ2VF1H104Z	С	0.1UF	Z	5 0 V
Δ	T601	TLFA01365	FLYBACK TRANSFORMER	1					l
	T821	TLPA052	POWER TRANSFORMER	C183	ECJ2VF1H104Z	С	0.1UF	z	5 0 V
	T823	TLPA066	POWER TRANSFORMER(SUB)	C184	ECEVICG100G	F	10UF	-	15V
-	. 525	1. 2. 2000	- C.L. TRANSFORMER (SOD)	C185		C		7	5 0 V
		CARACTTORS		4	1		0.1UF	Z	-
		CAPACITORS		C186		E	10UF		155V
				C187	ECUX1H562JUW	ບ 5	600PF	J	5 % V
	C11	ECQV1H334JL	P 0.33UF J 50V	1		_			
	C13	ECJ2VF1H1O4Z	ļ t	C188	ECUX1H562JUW	C 5	600PF	J	5 ⊘ ∨
	C14	ECJ2VF1H1O4Z	C 0.1UF Z 50V	C189	ECUX1H562JCW	C 5	600PF	J	50V

Ref.No.	Part No.	Des	cription			Ref.No.	. Part No.		Desc	ription	1
C190	ECUX1H562JCW	C 5600PF	J	50V		C672	ECEA25V4R7T	E	4.7UF		25V
	ECUX1H101JCG	C 100PF	J	50V	1	C674	ECQV1H105JL	Р	1UF	J	50V
_		C 0.1UF	Z	50V	1	C675	ECQB1H104JF	P	0.1UF	J	50V
		C 0.1UF	Ž	50V	1	C682	ECJ2VF1H104Z	c	0.1UF	z	50V
	ECJ2VF1H1O4Z	l .			1			-			-
C257	ECUX1H271JCG	C 270PF	J	50V	Ì	C683	ECJ2VF1H104Z	С	0.1UF	Z	50V
		C 120PF	J	50V		C684	ECJ2VF1H1O4Z	С	0.1UF	Z	50 V
C259	ECUX1H15OJCN	C 15PF	J	50V	i	C706	ECA1EEN100	E	10UF		25V
C280	ECA1HENO1O	E 1UF		50V	\triangle	C801	ECQU2A334MVZ	PP	0.33UF	M	250V
C281	ECUX1H103KBG	C 0.01UF	K	50V		C804	ECKDRS472MEY	C	4700PF	M	
	ECA2CHG100	E 10UF	,,	160V		C805	ECKDRS472MEY	c	4700PF	М	
C353	ECQV1474JZ	P 0.47UF	J	100V	\triangle	C806	ECQU2A104MNF	PP	0.1UF	M	250V
	ECA1HHG470	E 47UF	·	50V		C807	ECQU2A224MNF	PP	0.22UF	М	250V
		C 360PF	J	50V	1 4	C819	ECQE2154KF	Þ	0.15UF	ĸ	200V
		l '			1			r			
	ECKD2H471KB5	C 470PF	K	500V		C820	ECUX1C105KBW	С	1UF	K	16V
C372	ECUX1H080DCN	C 8PF	D	50V		C821	TAC1094Z391A	E	390UF		400V
	ECEA2EGE100	E 10UF		250V		C822	ECQE2154KF	P	0.15UF	K	200V
C375	ECUX1H103KBG	C 0.01UF	K	50V	1	C823	ECKD3A271KBP	C	270PF	K	1KV
	ECA1CHG221	E 220UF		16V	1	C825	ECEA1VGE330	Ε	33UF		35V
	ECEA1EGE330	E 33UF		25V	1	C828	ECUX1H222KBN	c	2200PF	K	500
	ECQE2104KF	1	v			C831	ECKDRS332MEY	c	3300PF	M	201
C38()	ECWE 2104KF	P 0.1UF	K	200V	^	C031	ECKUKS332MEY		330077	(V)	
	ECA1EHG222	E 2200UF		25V		C832	ECKDRS332MEY	C	3300PF	M	
	TACCC1H100MT	E 10UF		50 V	1	C833	ECJ2VF1H104Z	C	0.1UF	Z	500
C443	ECUX1H123KBX	C 0.012UF	K	50V		C834	ECUX1H222KBN	С	2200PF	K	50V
2444	TACCC1H101MT	E 100UF		50V	i	C835	ECQB1H222JF	P	2200PF	J	50V
C445	TACCC1H101MT	E 100UF		50V		C836	ECUX 1H221KBN	c	220PF	ĸ	50V
2442	E011X4114001651	10000=	.,	501		0007	ECEA (UCEODO	_	0.005		FOY
	ECUX1H102KBN	C 1000PF	K	50V	1	C837	ECEA1HGE2R2	E	2.2UF		50V
	ECA1EHG222	E 2200UF		25V	1	C839	ECUX1H222KBN	С	2200PF	K	500
C448	ECQV1473JM	P 0.047UF	J	100V	1	C841	ECEA1EGE101	E	100UF		250
C449	ECUX1H103KBG	C 0.01UF	K	50V	1	C842	ECUX1H104ZFW	c	0.1UF	Z	500
	ECQE1224KF	P 0.22UF	ĸ	100V		C843	ECEA1EGE330	E	33UF	•	25V
C451	ECQE1563KF	P 0.056UF	K	100V		C844	ECJ2VF1H1O4Z	c	0.1UF	z	50V
C501	TACBH2E224MT	C 0.22UF	M	250V	1	C845	ECEA1EGE100	F	10UF	-	257
-		1			i		1	7		12	
C503	ECJ2VF1H1O4Z	C 0.1UF	Z	50V		C846	ECUX1H822KBG	Ċ	8200PF	K	50V
C504	ECA2AHG100	E 10UF	_	100V	1	C848	ECEA1EGE330	E	33UF		25V
C 5 05	ECJ2VF1C105Z	C 1UF	Z	16V	1	C851	TACCC1C102MT	E	1000UF		16V
C506	ECJ2VF1H1O4Z	C 0.1UF	z	50V	1	C852	ECQE1474KF	P	0.47UF	Κ	100V
C508	ECUX1E473KBX	C 0.047UF	K	25V		C853	ECEA1CGE470	E	47UF		160
C530	ECA2EHG2R2	E 2.2UF	. •	250V	1	C858	ECJ2VF1H104Z	c	0.1UF	Z	500
C551	ECA1VHG101	E 100UF		35V		C859	ECA2EHG101	E	100UF	-	2500
2551 2552	TACBN2A332KT	C 3300PF	ĸ	100V		C860	TACBK2A224MT	C	0.22UF	M	1000
		200000		4 500		0001	500505100105	L	000015		050
C553	ECWH20222HV	PP 2200PF	Н	1.5KV		C861	ECOS2EA221CB		220UF		250V
C554	ECWH20222HV	PP 2200PF	Н	1.5KV	ł	C862	TACCC2A471MB	E	470UF		100V
C 5 55	ECQE2335KF	P 3.3UF	K	200V	1	C863	TAC11035102T	Ε	1000UF		35V
2561	ECWF2824HBB	PP 0.82UF	Н	200V	1	C864	TACCC1E222MT	Ē	2200UF		257
C 5 63	ECWF2364HBB	PP 0.36UF	Н	200V		C865	ECEA1CGE102	E	1000UF		167
C 5 65	ECWF2154HBB	PP 0.15UF	н	200V		C866	ECEA1CGE102	E	1000UF		167
2567	ECWF2185HBB	PP 1.8UF	H	200V		C867	TACBK2A224MT	c	0.22UF	M	1000
C568	ECWF2154HBB	PP 0.15UF	н.	200V	1	C868	ECEA1EGE222	E	2200UF	1-1	257
	L				1						167
C569	ECWF2154HBB	PP 0.15UF	H	200V	I	C869	ECA1CHG331	E	330UF		
C574	ECKD2H102KB5	C 1000PF	K	500V		C870	ECA1CHG331	E	330UF		167
C575	ECKD2H102KB5	1	κ	500V		C872	ECUX1C224KBW	c	0.22UF	K	167
C578	ECA1VHG470	E 47UF		35V	1	C874	ECA1HHG470	Ε	47UF		500
C590	ECUX1H103KBG		K	50V	1	C875	TACCB2A331MA	Ε	330UF		1000
601	ECQF6102JZ	PP 1000PF	Ĵ	600V	1	C876	ECUX1H103KBG	c	0.01UF	K	500
602	ECQF6392JZ	PP 3900PF	J	600V	İ	C877	ECA1HHG220	Ē	22UF		500
CCE4	ECEA 1 UCE 1D7	E 4 7::-		EOV.		070	EC410UC101	_	100115		160
C651	ECEA1HGE4R7	E 4.7UF		50V	1	C878	ECA1CHG101	E	100UF		
0652	ECA2EHG100	E 10UF		250V	1	C879	ECA1EHG470	E	47UF		257
C 6 53	ECA2CHG100	E 10UF		160V	1	C880	ECEA1EGE220	E	22UF		257
C 6 54	ECA2CHG4R7	£ 4.7UF		160V	1	C881	ECA1HHG100	Ε	10UF		500
C 6 55	ECQV1H225JL	P 2.2UF	J	50V		C882	ECEA1HGE100	E	10UF		500
	ECUX1H103KBG				1						-04
C656	ECUX 1H103KBG	C 0.01UF	K	50V	1	C883	ECQB1H224JF	۳	0.22UF	J	500

Ref.No.				riptio	n	Ref.No.	Part No.	Desc	riptio	n
C885		С	1500PF	K	500V	C1212	TACCLOJ227MT	220UF		6.3V
C886	ECUX1H222KBN	C	2200PF	K	50V	C1213	ECUX1H103KBG K	0.01UF	K	50V
C887	ECUX1H681KBN	С	680PF	K	50V		ECUX1H101JCG		Ĵ	50V
C888	TACBU2E333KT	_	0.033UF	ĸ	250V	C1220	1 h			_
C889	ECQE2684KF	6	0.68UF	K	200V	C1221			K	50V
	LCQL2004KI		0.680		200V	01221	ECA1HEN4R7	4.7UF		50V
C890		Ε	4.7UF		50V		ECUX1H103KBG		K	50 V
C891		E	330UF		100V		ECUX1H103KBG	0.01UF	K	50V
C893	ECUX1H561JCX	С	560PF	J	50V	C1231	ECEA1EGE100 E	10UF		25V
C894	ECJ2VF1H1O4Z	C	0.1UF	Z	50V	C1232	ECUX1H103KBG	0.01UF	K	50V
C896		С	0.1UF	ĸ	25V	–	ECUX1H103KBG		ĸ	50V
C897	ECUX1H472KBM	C	4700PF	к	50V	C1234	ECJ2VF1C1O5Z	1UF	z	160
C898	ECA2EHG470	E	47UF		250V	C1241	ECUX1H680GCG			_
1						1 1		68PF	G	50V
		С	0.1UF	K	25V		ECUX1H150GCN		G	5 0 V
C902	ECUX1H104ZFW	C	0.1UF	Z	50V	C1250	TACBN2A102KT	1000PF	K	100V
C1011	ECUX1H103KBG	С	0.01UF	K	50V	C1251	TACBN2A103KT	0.01UF	K	100V
C1012	TACCLOJ227MT	Ε	220UF		6.3V	C1252	ECEA2AGE100 E	10UF		100V
C1013	ECUX1H103KBG	С	0.01UF	K	50V		TACBH2A474MT		М	100V
1	ECUX1H101JCG	C	100PF	Ĵ	50V		TACBJ2H222KT	2200PF		500V
	ECUX1H103KBG	~	0.01UF	-	50V				K	
		۲		K		C1265	TACBG2E683KT		K	25OV
C1021	ECA1HEN4R7	Ε	4.7UF		50V	C1266	ECEA2CGEO10	1UF		160V
	ECUX1H103KBG	С	0.01UF	K	50V	C1267	ECUX1H47OJCG		J	5 O V
		С	0.01UF	K	50V	C1268	ECUX1H100CCN C	10PF	C	50V
C1031	ECEA1EGE100	Ε	10UF		25V	C1301	TACCL1C476MT E	470UF		167
C1032	ECUX1H103KBG	c	0.01UF	K	50V	,	ECUX1H103KBG	0.01UF	K	5OV
C1033	ECUX1H103KBG	_	0.01UF	ĸ	50V					-
C1033	ECOXIHIOSKBG	_	0.010F		50 V	C1305	ECUX1H103KBG	0.01UF	K	50V
	ECJ2VF1C105Z	c	1UF	Z	16V		TACCL1C476MT E			16V
C1041	ECUX1H680GCG	jc	68PF	G	50V	C1312	TACCL1H105MT E	1UF		50V
C1042	ECUX1H150GCN	lc	15PF	G	50V	C1313	ECEA1HGE100 E	10UF		50V
C1043	ECUX 1HO4OCCN	ic	4PF	С	50V	1 1	ECJ2VF1H1O4Z		z	5OV
	1	С	1000PF	ĸ	100V		ECEA1CGE470 E		-	16V
C1051	TACBN2A103KT	С	0.01UF	ĸ	100V	C1321	ECUX1H103KBG C	0.04115	.,	501
		2		_					K	50V
	ECEA2AGE100	E	10UF		100V		ECA1HHG100 E			5OV
	1	С	0.47UF	M	100V		ECUX1H103KBG C	0.01UF	K	50V
C1055	TACBJ2H222KT	С	2200PF	K	500V	C1326	ECEA1CGE471 E	470UF		167
C1065	TACBG2E683KT	С	0.068UF	K	250V	C1327	ECUX1H103KBG C	0.01UF	Κ	50V
C1066	ECEA2CGEO10	Ε	1UF		160V	C1328	ECEA1CGE471 E	470UF		16 V
C1067	ECUX1H47OJCG	С	47PF	J	50V		ECEATAGETOT E	100UF		100
		c	10PF	č	50V		ECEATAGETOT E			
		č				1		100UF	_	10V
		E	0.01UF 220UF	K	50V 6.3V		ECJ2VF1E224Z C ECUX1H103KBG C	0.22UF 0.01UF	Z K	25 V 50 V
								0.0.0	- 1	351
		C	0.01UF	K	50V		ECEA1CGE470 E	47UF		16 V
		С	100PF	J	50V		ECEA1CGE470 E	47UF		16 V
C1120	ECUX1H103KBG	C	0.01UF	K	50V	C1336	ECEA1CGE470 E	47UF		16 V
C1121		Ε	4.7UF		50V		TCUX1C225ZFN C	2.2UF	Z	16 V
	1	c	0.01UF	K	50V	1	ECEA2AGE220 E	22UF	~	100 V
01130	ECUX1H103KBG	c	0.01UF	к	50V	C1344	ECUX1H102KBN C	1000BE	10	FAN
		,		_	-			1000PF	K	50 V
		E	10UF		25V		ECJ2VF1H1O4Z C		Z	50 V
		С	0.01UF	K	50V		ECEA1EGE100 E	10UF		25 V
	1	С	0.01UF	K	50V	C1348	ECEA2CGE100 E	10UF		160 V
C1134	ECJ2VF1C105Z	c	1UF	Z	16V		TCUX1C225ZFN C	2.2UF	Z	16 V
C1141	ECUX1H680GCG	С	68PF	G	50V	C1351	TACBJ2H222KT C	2200PF	к	50>V
	1	c	15PF	Ğ	50V		TACBJ2H102KT C	1000PF	K	500 V
		c	3PF	č	50V					
		ŀ						100PF	K	500 V
		C C	1000PF 0.01UF	K K	100V 100V		ECKD3D272KBP C TACBJ2J222KT C	2700PF 2200PF	K K	2K V 630∙V
	!	C	0.47UF 2200PF	M K	100V 500V		TACBJ2J222KT C TACBJ2J222KT C	2200PF	K	630 V
	1							2200PF	ĸ	630 V
		C	0.068UF	К	250V		TCUX2H11OJCM C	11PF	J	50≬ ∨
	1	Ε	1UF		160V		TACBJ2H102KT C	1000PF	K	500 V
C1167	ECUX1H47OJCG	С	47PF	J	50V	C1372	ECUX1H221KBN C	220PF	K	50 V
							t t			
C1168	ECUX1H100CCN	С	10PF	С	50V	C1381	ECJ2VF1H1O4Z C	0.1UF	Z	50 ℃

Ref.No.	Part No.		Descri	ptio	n	Ref.No.	Part No.		Descri	ptic	n
C1402	ECUX1H223KBX	c	0.022UF	K	50V	J1302	ERD25TCO	c	O DHM		1/4W
C1403	ECJ2VF1E224Z	c	0.22UF	Z	25V	J1321	ERD25TCO	C	O OHM		1/4W
C1404	ECUX1H221KBN	k	220PF	Κ	50V	J1325	ERJ6GEYOROO	M	O OHM		1/10W
	ECUX1H104KBW	c	0.1UF	ĸ	50V	L1056	ERU8GCYOROO	М	O OHM		1/8W
1	_			_		1 1		- 1			
C1406	ECEA1AGE101	E	100UF		10V	L1156	ERJ8GCYOROO	M	O OHM		1/8W
C1408	ECUX1H22OJCN	c	22PF	J	50V	L1256	ERJ8GCYOROO	M	O DHM		1/8W
C1409	ECJ2VF1C105Z	ic	1UF	Z	16V	R10	ERDS2TJ101	c	100 OHM	J	1/4W
C1410	ECEA1EGE100	E	10UF		25V	R11	ERJ6ENF 1002	м	10K OHM	F	1/10W
C1412	ECEA1HGE3R3	E	3.3UF		50V	R12	ERJ6ENF4703	М	470K DHM	F	1/10W
1	ECEA 1HGE3R3	E	3.3UF		50V	R13	ERJ6ENF1052	M	10.5K DHM	F	1/10W
			0.00.		301		I TOOL	'	10.50	,	17 104
	RESISTORS					R14	ERJ6ENF3301	М	3.3K OHM	F	1/10W
						R15	ERG2SJ183	М	18K OHM	J	2₩
C1003	ERJ6GEYOROO	М	OOHM		1/10W	R16	ERJ6ENF2320	M	232 OHM	F	1/10W
C1203	ERJ6GEYOROO	М	O OHM		1/10W	R18	ERG1SJ273	M	27K OHM	J	1 W
	ERJ8GCYOROO	М	O OHM		1/8W	R19	ERJ6ENF4702	М	47K OHM	F	1/10W
	ERJ6GEYOROO						LROGENI 4702	["	4/K OHM	г	17 104
		M	O OHM		1/10W						
J601	ERJ6GEYOROO	М	O OHM		1/10W	R20	ERJ6ENF4702	M	47K OHM	F	1/10W
		-				R22	ERJ6GEYOROO	М	O OHM		1/10%
J602	ERJ6GEYOROO	М	O OHM		1/10W	R23	ERJ6GEYJ105	М	1M OHM	J	1/10W
	ERJ6GEYOROO	М	O OHM		1/10W	R24	ERJ6ENF4703	М	470K OHM	F	1/10W
		1				1 1					
	ERJ6GEYOROO	M	O OHM		1/10W	R25	ERJ6ENF1000	М	100 OHM	F	1/10W
	ERJ6GEYOROO	М	ODHM		1/10W		+				
J606	ERJ6GEYOROO	М	O OHM		1/10W	R26	ERJ6GEYJ333	М	33K OHM	J	1/100
	1	1				R31	ERJ6GEYJ102	M	1K OHM	Ĵ	1/10V
J607	ERJ6GEYOROO	M	OOHM		1/10W	R32	ERJ8GCYK2R7	М	2.7 OHM	ĸ	1/8
-	ERJ6GEYOROO	М			1/10W	1 1	1	1.			
	5	4				R33	ERG1SJ100	М	10 OHM	J	1 1 1
	ERJ6GEYOROO	М	O OHM		1/10W	R51	ERJ6GEYJ102	М	1K OHM	J	1/10V
	ERJ6GEYOROO	M	O OHM		1/10W			1			
J701	ERJ8GCYOROO	M	O OHM		1/8W	R52	ERJ6GEYJ102	М	1K OHM	J	1/10V
- /	1	1				R53	ERJ6GEYJ102	М	1K OHM	J	1/10V
J702	ERJBGCYOROO	М	о онм		1/8W	1 1	h				
		1				R55	ERJ6GEYJ102	М	1K OHM	J	1/10V
	ERJ8GCYOROO	М	O DHM		1/8W	R56	ERJ6GEYJ102	М	1K OHM	J	1/10V
J704	ERJ8GCYOROO	М	O OHM		1/8W	R58	ERJ6GEYJ102	М	1K OHM	J	1/10V
J705	ERJ8GCYOROO	М	O DHM		1/8W		1	1			
	ERJ8GCYOROO	М	O OHM		1/8W	R104	ERJ6GEYJ222	М	2.2K OHM	J	1/10V
		["	0 0.117		., .,		ERJ6GEYJ222	м	2.2K OHM	J	1/10V
J707	ED. IOCOVODOS	ha	O OUR		4 /00	,	i			-	•
	ERJ8GCYOROO	М	O OHM		1/8W		ERJ6GEYJ103	M	10K DHM	J	1/10V
J708	ERJ8GCYOROO	М	OOHM		1/8W	R110	ERJ6GEYJ103	М	10K DHM	J	1/10W
J709	ERJ8GCYOROO	M	O DHM		1/8W	R111	ERJ6GEYJ152	М	1.5K OHM	J	1/10V
J7 10	ERJ8GCYOROO	M	O OHM		1/8W		1				
J712	ERJ8GCYOROO	М	O OHM		1/8W	R112	ERJ6GEYJ122	м	1.2K OHM	J	1/10V
		Ι.	0 0.114		.,	1 1	ERJ6GEYOROO	М		J	
1740	ED 100000000	h.	0.000		4 /04				O OHM		1/10W
J7 13	ERJ8GCYOROO	М	O OHM		1/8W	. ,	ERJ6GEYJ272	М	2.7K OHM	J	1/10V
J7 14	ERJ8GCYOROO	М	OOHM		1/8W	R121	ERJ6GEYJ822	М	8.2K OHM	J	1/10V
J 7 15	ERJ8GCYOROO	М	O OHM		1/8W	R123	ERJ6GEYJ122	M	1.2K OHM	J	1/10V
J 7 16	ERJ8GCYOROO	М	O OHM		1/8W		1				"
	ERJBGCYOROO	М	O DHM		1/8W	R124	ERJ6GEYJ392	М	3.9K OHM	, i	1/10V
/	- NOUGO TOROU	1	O OHM		1/OW		l .	1		J	1/101
177 4 5	ED 1000::	L	- · · · · -		. /	1 :	ERJ6GEYJ335	М	3.3M OHM	J	1/10V
J 7 18	ERJ8GCYOROO	М	OOHM		1/8W	1	ERJ6GEYOROO	М	OOHM		1/10V
	ERJ8GCYOROO	M	O DHM		1/8W	R131	ERJ6GEYJ272	M	2.7K OHM	J	1/10V
J721	ERJ8GCYOROO	M	O OHM		1/8W		ERJ6GEYJ272	M	2.7K OHM	Ū	1/10V
1722	ERJ8GCYOROO	М	O DHM		1/8W	1 [[•	., .01
724	·	1				1 200	ED ICCEVOSOS		0.015		4/400
124	ERJ8GCYOROO	М	O OHM		1/8W	2)	ERJ6GEYOROO	M	O DHM		1/10V
	L	ł					ERJ6GEYOROO	М	OOHM		1/10V
	ERJ8GCYOROO	M	O DHM		1/8W	R135	ERJ6GEYJ471	M	470 OHM	J	1/10V
J7 26	ERJ8GCYOROO	M	O OHM		1/8W	R136	ERJ6GEYJ101	м	100 OHM	J	1/10V
	ERJ8GCYOROO	М	O OHM		1/8W		ERJ6GEYJ101	м	100 DHM	Ĵ	1/10V
	ERJ8GCYOROO	М			1/8W	1 (```			.00 0:114	J	.,
		1	O DHM			1		L.			
J 7 30	ERJ8GCYOROO	М	OOHM		1/8W		ERJ6GEYJ103	М	10K DHM	J	1/10V
		1					ERJ6GEYJ103	М	10K OHM	J	1/10V
J731	ERJ8GCYOROO	М	OOHM		1/8W	R142	ERJ6GEYJ103	М	10K OHM	J	1/10V
	ERJ8GCYOROO	М	O OHM		1/8W	i i	ERJ6GEYJ103	М	10K DHM	J	1/100
	ERUBGCYOROO	М			1/8W	R I		[]		-	
	1	1	O OHM			R146	ERJ6GEYJ103	М	10K OHM	J	1/10V
1734	ERJ8GCYOROO	M	O OHM		1/8W						
J735	ERJ8GCYOROO	М	O DHM		1/8W	R149	ERJ6GEYJ183	М	18K OHM	J	1/10V
	1					R150	ERJ6GEYJ222	М	2.2K OHM	J	1/10V
J736	ERJ8GCYOROO	М	O OHM		1/8W		ERJ6GEYJ222	M	2.2K OHM	Ű	1/10V
1737	ERJ8GCYOROO	1				I .	1	1.		-	
	1	М	O OHM		1/8W	E 1	ERJ12YJ471	М	470 OHM	J	1/2V
1738	ERJ8GCYOROO	М	OOHM		1/8W	R153	ERJ6GEYJ222	М	2.2K OHM	J	1/10V
J7 39	ERJ8GCYOROO	M	OOHM		1/8W						
11301	ERD25TCO	c	OOHM		1/4W	R154	ERJ6GEYJ102	М	1K OHM	J	1/10V
, GU							,	, ,		_	

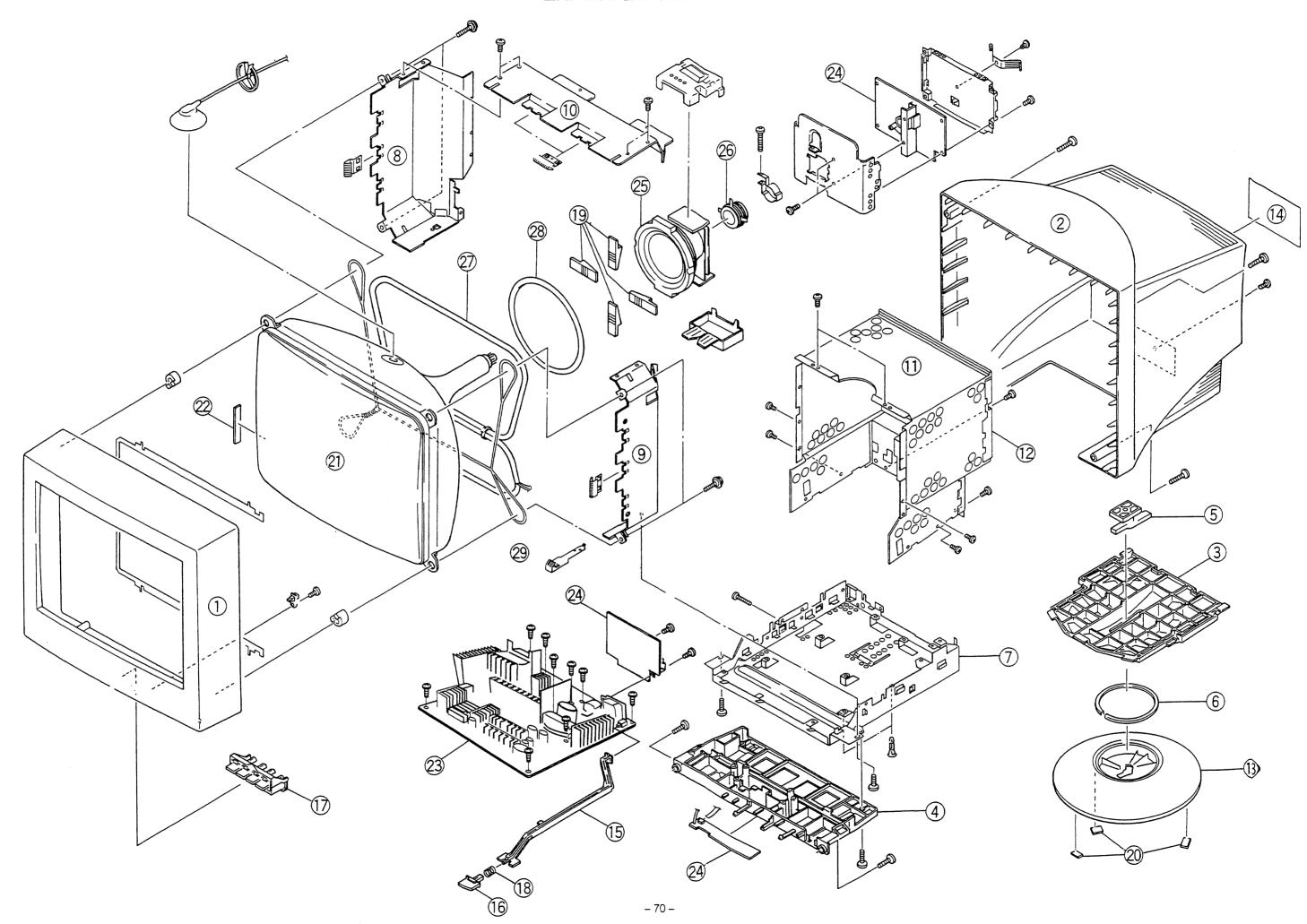
Ref.No.	Part No.		D	escri	ptio	1	Ref.No.	Part No.		Descri	ptio	n
R156	ERJ6GEYJ472	М	4.7K	OHM	J	1/10W	R373	ERJ8GCYJ683	М	68K OHM	J	1/8W
R162	ERJ6GEYJ152	м	1.5K	MHC	J	1/10W	R374	ERJ8ENF1101	M	1.1K OHM	F	1/8W
R163	ERJ6GEYJ683	M	68K (MHC	J	1/10W	R375	ERJ6GEYJ472	М	4.7K OHM	J	1/10W
R164	ERJ6GEYJ102	М	1K (Ū	1/10W	R380	ERD25FJ102K	c	1K OHM	Ú	1/4W
R165	ERUGGETO TO2	М		OHM	Ü	1/10W	R381	ERJ6ENF2051	М	2.05K OHM	F	1/10W
1.63	LROUGE TOROU	1	•	J. 11-1		17 104	1001	ERODEINI 2001		2.00% 0	•	.,
R170	ERJ6ENF2202	М	22K 1		F	1/10W	R382	ERJ6ENF6982	M	69.8K DHM	F	1/10W
R171	ERJ6ENF5622	М	56.2K	OHM	F	1/10W	R384	ERJ6ENF2871	M	2.87K OHM	F	1/10W
R172	ERJ6ENF5622	М	56.2K	MHO	F	1/10W	R385	ERU8GCYJ121	М	120 DHM	J	1/8W
1	ERJ6ENF6802	М	68K		F	1/10W	R386	ERG3FJ103	м	10K DHM	Ū	3W
R173 R174	ERJ6GEYJ270	M			J	1/10W	R387	ERUSGCYU302	М	3K DHM	J	1/8W
N 1 / 4		,			_	,	1 1					•
R175	ERJ6GEYJ270	М	27		ل	1/10W	R389	ERJ8GCYJ102	М	1K OHM	J	1/8W
R177	ERJ6GEYOROO	М	-	OHM		1/10W	R390	ERJ6ENF1071	М	1.07K DHM	F	1/10W
R188	ERJ6GEYJ103	Μ	10K	OHM	J	1/10W	R391	ERJ6GEYJ103	М	10K DHM	J	1/10W
R191	ERJ6GEYJ271	м	270	OHM	J	1/10W	R392	ERJ6GEYJ562	М	5.6K DHM	J	1/10W
R192	ERJ6GEYJ271	М		MHO	J	1/10W	R393	ERG1SJ273	М	27K OHM	J	1 W
	ED 1005V 1454		470	O. 184		4/469	2407	ED ICENEOZOO		27K DHM	F	1/10W
R193	ERJ6GEYJ471	М	470		٠	1/10W	R407	ERJ6ENF2702	M			
R194	ERJ6GEYJ222	Μ	2.2K		Ų	1/10W	R425	ERDS2TJ182	C	1.8K DHM	J	1/4W
R195	ERJ6GEYJ222	М	2.2K		J	1/10W	R440	ERJ6GEYJ103	М	10K DHM	J	1/10W
R196	ERJ6GEYJ471	М	470	OHM	J	1/10W	R441	ERJ6GEYJ103	М	10K DHM	J	1/10W
R197	ERJ6GEYJ103	М	10K		Ĵ	1/10W	R442	ERJ6GEYJ332	М	3.3K OHM	Ĵ	1/10W
K19/	LKUBGETU103	*	IOK	U(7)*\	U	1/ 10W	N442	ENUGGET USSZ	"	J. JR UNIM	Ū	17 10W
R200	ERJ6GEYJ471	М	470	MHO	J	1/10W	R480	ERJ6ENF1742	М	17.4K OHM	F	1/10W
R201	ERJ6GEYJ101	M	100	ОНМ	J	1/10W	R481	ERJ6ENF2941	М	2.94K OHM	F	1/10W
R204	ERJ6GEYJ471	м		OHM	Ĵ	1/10W	R482	ERDS1FJ1R2	c	1.2 OHM	J	1/2W
1							1 1				-	
R205	ERJ6GEYJ101	М	100		J	1/10W	R483	ERDS1FJ1R2	С	1.2 OHM	J	1/2W
R208	ERJ6GEYJ471	М	470	OHM	J	1/10W	R484	EROS2CKF1202	М	12K OHM	F	1/4W
R209	ERJ6GEYJ471	М	470	ОНМ	J	1/10W	R485	ERJ6GEYJ122	M	1.2K OHM	J	1/10W
		- 1					1 1 -		М	18.7K OHM	F	1/10W
R210	ERJ6GEYJ472	М	4.7K		J	1/10W	R486	ERJ6ENF1872	Γ.			
R213	ERJ6GEYOROO	М	-	MHO		1/10W	R487	ERD\$2TJ1RO	С	1 OHM	J	1/4W
R214	ERJ6GEYOROO	M	0	OHM		1/10W	R488	ERX1SG1R2	M	1.2 OHM	G	1 W
R221	ERJ6GEYOROO	М	_	OHM		1/10W	R489	ERX1SG1R8	М	1.8 OHM	G	1 W
Bass	ED. IGGEV 1403	M	10K	пым	J	1/10W	R501	ERX2SJ3R3	М	3.3 OHM	J	2W
R222	ERJ6GEYJ103				_		1 1				-	
R223	ERJ6GEYJ123	М	12K		J	1/10W	R502	ERG1SJ390	M	39 OHM	J	1 W
R224	ERJ6GEYJ563	М	56K	CHM	J	1/10W	R503	ERJ6GEYJ472	M	4.7K OHM	J	1/10W
R240	ERJ6GEYJ271	М	270	OHM	J	1/10W	R504	ERJ6GEYJ153	М	15K OHM	J	1/10W
R241	ERJ6GEYJ271	М	270		Ĵ	1/10W	R505	ERX2SJ3R3	М	3.3 OHM	Ĵ	2W
2000	ED 100511 1055		0.014	OU:-		4 /409	D-00	EDDOEE HEOK		4EV DUA		1/4W
R242	ERJ6GEYJ222	М	2.2K		J	1/10W	R506	ERD25FJ153K	<u> </u>	15K DHM	J	
R243	ERJ6GEYJ222	M	2.2K	OHM	J	1/10W	R507	ERJ6GEYJ392	М	3.9K OHM	J	1/10W
R250	ERJ6GEYOROO	М	0	OHM		1/10W	R508	ERJ6GEYJ102	м	1K OHM	J	1/10W
R255	ERJ6GEYJ272	М	2.7K		J	1/10W	R509	ERJ6GEYJ472	М	4.7K OHM	Ū	1/10W
R255 R256	ERUGGEYU2/2	M	120		J	1/10W	R527	ERJ6GEYOROO	M	O DHM	J	1/10%
					,					07 011		4 /00
R257	ERJ6GEYJ222	M	2.2K 560		J	1/10W 1/10W	R530	ERQ12AJ270 ERJ12YJ5R6	F	27 OHM 5.6 OHM	J	1/2W 1/2W
R258	ERJ6GEYJ561	М			J		. ,		1.			•
R261	ERJ6GEYJ683	М	68K		J	1/10W	R532	ERJ12YJ5R6	М	5.6 OHM	J	1/2W
R275	ERJ6GEYJ223	М	22K	OHM	J	1/10W	R542	ERJ6ENF5601	М	5.6K OHM	F	1/10W
R276	ERJ6GEYJ223	М	22K		J	1/10W	R543	ERJ6ENF6491	М	6.49K OHM	F	1/10W
B282	ED JOSEV 14EO	M	1.5K	ОПМ	J	1/10W	R544	ERJ6ENF 1502	M	15K OHM	F	1/10W
R280	ERJ6GEYJ152	1 '			-		I 1					
R281	ERJ6GEYJ104	М	100K		J	1/10W	R545	ERG3FJ470	М	47 OHM	J	31/
R282	ERJ6GEYJ102	М	1K	OHM	J	1/10W	R546	ERG3FJ470	М	47 OHM	J	34
R283	ERJ6GEYOROO	м		OHM		1/10W	R547	ERJ6GEYJ470	м	47 OHM	U	1/10
R284	ERJ6GEYOROO	м		OHM		1/10W	R548	ERJ6GEYJ332	М	3.3K OHM	Ĵ	1/10
									L			٠.
R285	ERJ6GEYJ102	M		OHM	J	1/10W	R549	ERG2SJ561	M	560 OHM	J	2V 1/2V
R286	ERJ6GEYJ561	М	560		ل	1/10W	R550	ERQ12AJR47	[0.47 OHM	J	-
R291	ERJ6GEYJ223	M	22K		J	1/10W	R551	ERX3FJX1R8D	М	1.8 OHM	J	34
R292	ERJ6GEYJ223	M	22K	OHM	J	1/10W	R552	ERX3FJX1R8D	М	1.8 OHM	J	3#
R293	ERJ6GEYJ102	М		ОНМ	J	1/10W	R554	ERX3FJX6R8D	М	6.8 OHM	Ĵ	3
	EB 100E11116		212	01.24		4/409		EDDOETCO		0.015		1/4
R294	ERJ6GEYJ102	M		OHM	J	1/10W	R555	ERD25TCO	C	O OHM	J	1/4W 1/10W
R350	ERQ14AJ330	F		OHM	Ų	1/4W	R560	ERJ6GEYJ472	M	4.7K OHM	_	
R353	ERDS1FJ100	C	10	MHO	Ų	1/2W	R561	ERJ6GEYJ100	M	10 OHM	J	1/104
R354	ERDS1FJ100	c		CHM	J	1/2W	R563	ERJ6GEYJ472	М	4.7K OHM	J	1/10W
R355	ERG2SJ270	M		OHM	J	2W	R564	ERJ6GEYJ100	М	10 OHM	Ĵ	1/10
			000:1	0.55		4 /000	2500	ED 10057 : 155		A 312 01 95		1/10₩
R371	ERDS1FJ364	С	360K		J	1/2W 1/8W	R566	ERJ6GEYJ472	М	4.7K OHM	J	1/10
R372	ERJ8GCYJ475	M	4.7M		J		R567	ERJ6GEYJ100	М	10 OHM	ن	

Ref.No.	Part No.		De	escrip	otion	1	Ref.No.	Part No.		Descr	iptio	n
R568	ERJ6GEYJ472	М	4.7K	MHC	J	1/10W	R850	ERJ6GEYJ102	М	1K OHM	J	1/10W
R569	ERJ6GEYJ100	М	10 0	MHC	J	1/10W	R853	ERJ6GEYJ271	M	270 OHM	J	1/10W
R574	ERDS1FJ181	k	180 0	MHC	J	1/2W	R854	ERJ6GEYJ820	М	82 OHM	J	1/10W
	ERQ12AJ271	F	270		J	1/2W	R855	ERJ6GEYJ102	M	1K OHM	J	1/10W
1 -	ERJ6GEYJ562	М	5.6K		Ĵ	1/10W	R856	ERA6YEB104	М	100K DHM	В	1/10W
R596	ERJ6GEYJ562	м	5.6K (ЭНМ	J	1/10W	R857	ERA6YEB302	M	зк онм	В	1/10W
	ERJ6GEYJ562	М	5.6K		Ū	1/10W	R858	ERJ6GEYJ102	М	1K OHM		1/10W
1	ERX1SJR33	м	0.33		Ũ	1 W	R859	ERD25FJ391K	c	390 OHM		1/4W
1	ERX1SJR39	М		DHM	Ű	1 W	R860	ERJ6GEYJ103	М	10K DHM		1/10W
R604	TARRS5B101J2	м	100 (J	5 W	R861	ERQ12AJR33HK	F	0.33 OHM		1/2W
R605	TARRS5B101J2	М	100 (~ ₩	J	5W	R862	TAR14CJOR15V	м	0.15 OHM	J	1/2W
	ERJ6GEYJ220	M	22 (J	1/10W	R863	ERQ12AJR47	E	0.47 DHM		1/2W
R606					F	1/10W	R864	ERQ12AJR12HK	Ë	0.12 DHM		1/2W
R648	ERJ6ENF8060	М	806		г		R865		ļ_	0.12 OHM	-	1/2W
R649 R650	ERJ6GEYOROO ERJ8GCYOROO	M	_	MHC		1/10W 1/8W	R866	ERQ12AJR12HK ERQ12AJR12HK	F	0.12 DHM	-	1/2W
						-						. /
R651	ERQ14AJ100	F	-	MHO	J	1/4W	R867	ERJ6GEYJ104	M	100K DHM		1/10W
R652	ERQ14AJR47HK	F		OHM	J	1/4W	R868	ERQ12AJR47	F	0.47 OHM		1/2W
R653	ERQ14AJR47HK	F		OHM	J	1/4W	R869	ERD25FJ471K	С	470 OHM		1/4W
R655	ERJ8ENF5231	M	5.23K	OHM	F	1/8W	R870	ERDS1FJ224	C	220K OHM		1/2W
R656	ERJ6GEYJ223	М	22K (OHM	J	1/10W	R871	ERJ6GEYJ183	М	18K OHM	J	1/10W
R657	ERJ6ENF3162	м	31.6K	ОНМ	F	1/10W	R872	ERJ6ENF1822	М	18.2K OHM	F	1/10W
R658	ERJ6ENF 1002	M	10K (OHM	F	1/10W	R873	ERJ6ENF4222	М	42.2K DHM	F	1/10W
R660	ERJ6GEYJ270	М	27 (OHM	J	1/10W	R874	ERJ6GEYJ101	М	100 OHM	J	1/10W
R671	EROS2CKF1333	М	133K	ОНМ	F	1/4W	R875	ERJ6GEYJ102	M	1K OHM	J	1/10W
R672	EROS2CKF1433	М	143K		F	1/4W	R876	ERJ6GEYJ562	М	5.6K OHM		1/10W
1072						•				-		
R673	ERDS2TJ474	С	470K		J	1/4W	R877	ERJ6GEYJ753	М	75K OHM		1/10W
R680	ERJ6GEYJ153	М	15K (OHM	J	1/10W	R878	ERG1SJ683	M	68K OHM		,1 W
R682	ERJ6GEYJ221	М	220	OHM	J	1/10W	R879	ERJ8GCYJ332	М	3.3K OHM		1/8W
R683	ERJ6GEYJ562	М	5.6K	OHM	J	1/10W	R880	EROS2CKF1211	М	1.21K OHM	F	1/4W
R684	ERJ6ENF1002	М	10K	ОНМ	F	1/10W	R881	ERJ6ENF1821	М	1.82K OHM	F	1/10W
R685	ERJ6ENF2372	м	23.7K	ОНМ	F	1/10W	R882	ERJ6ENF4531	М	4.53K OHM	F	1/10W
R687	ERJ6GEYJ333	М	33K		J	1/10W	R883	ERJ6GEYJ103	М	10K OHM	J	1/10W
R720	ERJ6GEYJ682	М	6.8K		Ū	1/10W	R884	ERJ6ENF6041	М	6.04K OHM	F	1/10W
R721	ERJ6GEYJ164	м	160K		Ū	1/10W	R885	ERJ6ENF3741	М	3.74K OHM		1/10W
R722	ERJ6GEYJ182	М	1.8K		J	1/10W	R886	ERJ6GEYJ103	М	10K DHM		1/10W
R801	ERC12AGK105	s	1 M	ОНМ	K	1/2W	R887	ERJ6GEYJ103	М	10K DHM	J	1/10W
I	ERJ6GEYJ563	M	56K		Ĵ	1/10W	R888	ERJ6GEYJ103	М	10K OHM		1/10W
R820		W					R889	ERJ6GEYJ391	М	390 OHM		1/10W
R821	ERF2EKR22		0.22		ĸ	2W	k i	ERX2SJ1RO	M	1 OHM		1/10W
R822 R823	TARRS3B104J2 ERJ6GEYJ103	M	100K 10K		J	3W 1/10W	R890 R891	ERJ6GEYJ103	М	10K DHM	_	1/10W
				-	_	4 /4014	2000	ED ICENE 4400		440 041	_	1/10W
R824	ERJ6ENF1211	М	1.21K		F	1/10W	R892	ERJ6ENF4420	M	442 OHM		
R8 25	ERJ6GEYJ682	М	6.8K		J	1/10W	R893	ERDS1FJ224	C	220K DHM		1/2W
R826	ERJ6ENF7152	М	71.5K		F	1/10W	R894	ERJ6GEYJ102	M	1K OHM		1/10W
R827	ERDS1FJ394	С	390K		J	1/2W	R895	ERJ6GEYJ101	M	100 OHM		1/10W
R828	ERDS1FJ394	c	390K	OHM	J	1/2W	R896	ERJ6GEYJ332	М	3.3K OHM	J	1/10W
R829	ERJ8GCYJ223	M	22K	ОНМ	J	1/8W	R897	ERJ6GEYJ225	М	2.2M OHM		1/10W
R830	ERJ6GEYJ273	M	27K	MHO	J	1/10W	R898	ERJ6ENF2001	М	2K OHM	F	1/10W
R831	ERD25FJ560K	С		OHM	Ū	1/4W	R899	ERJ6GEYJ103	М	10K DHM		1/10W
R832	ERJ6GEYJ220	м		OHM	Ũ	1/10W	R902	ERJ6GEYJ103	М	10K DHM		1/10W
R833	ERD25FJ223K	С	22K		J	1/4W	R903	ERJ6GEYJ102	М	1K OHM		1/10W
R834	ERJ8GCYJ222	М	2.2K	CHM	J	1/8W	R905	ERJ6GEYJ331	М	330 OHM	l J	1/10W
R835	ERUSGCYU222	М	2.2K		J	1/8W	R906	ERJ6GEYJ331	м	330 OHM		1/10W
R836		M		OHM	J	3W	R909	ERJ6GEYJ562	М	5.6K OHM		1/10W
	ERG3FJ820	- 1			F	1/10W	R913	ERJ6GEYJ562	М	5.6K DHM		1/10W
R837 R838	ERJ6ENF1400 ERJ6GEYJ222	M	140 2.2K		J	1/10W	R961	ERJ6GEYOROO	M	O DHM		1/10W
						4 /4054	D075	ED IGGEV 1404	MA	100 000	ı J	1/10W
R839	ERJ6GEYJ332	М	3.3K		J	1/10W	R975	ERJ6GEYJ101	M	100 DHM		1/10W
R840	ERJ6GEYJ103	Μ	10K		J	1/10W	R978	ERJ6GEYJ101	М	100 DHM		* .
R841	ERDS1FJ104	С	100K		J	1/2W	R979	ERJ6GEYJ101	М	100 DHM		1/10W
R8 42	ERJ6GEYJ180	M		OHM	J	1/10W	R988	ERJ6GEYJ102	М	1K OHM		1/10W
R843	ERJ6GEYJ103	М	10K	OHM	J	1/10W	R990	ERDS2TJ103	C	10K DHM	IJ	1/4W
R847	ERJ6GEYK2R2	м	2.2		K	1/10W	R991	ERDS2TJ103	c	10K DHM		1/4W
R849	ERDS2TJ122	c	1.2K	OHM	J	1/4W	R992	ERJ6GEYOROO	М	O OHM		1/10W

Ref.No.	Part No.		Descri	ptic	n	Ref.No.	Part No.		Description			
1	ERJ6GEYOROO	М	O OHM		1/10W	R1230	ERJ6GEYJ330	М	33 OHM	J	1/10W	
1	ERJ6ENF11R5	М	11.5 OHM	F	1/10W	R1231	ERJ6GEYJ331	М	330 DHM	J	1/10W	
		M	76.8 OHM	F	1/3W		ERJ6GEYJ100	M	10 OHM	J	1/10W	
-	ERJ6GEYJ223	M	22K OHM	J	1/10W	E !	ERJ6GEYJ330	M	33 DHM	J	1/10W	
R1013	ERJ6GEYJ123	М	12K OHM	J	1/10W	R1240	ERJ6ENF2260	M	226 OHM	F	1/10W	
1	ERJ6ENF3900	М	390 DHM	F	1/10W	R1241	ERJ6ENF30R1	м	30.1 DHM	F	1/10W	
	TAJADQ75ROFV	M	75 OHM	F	1/3W	R1242	ERJ6GEYJ682	М	6.8K DHM	J	1/10W	
1	ERJ6GEYJ330	М	33 OHW	J	1/10W	R1244	ERJ6ENF1581	М	1.58K OHM	F	1/10W	
_	ERJ8GCYJ471	M	470 OHM	Ų	1/8W	R1250	ERJ6ENF1053	М	105K OHM	F	1/10W	
R1023	ERJ6GEYJ330	М	33 OHM	J	1/10W	R1252	ERJ6GEYOROO	М	O OHM		1/10W	
1	ERJ6GEYJ330	м	33 OHM	J	1/10W	R1255	ERDS2TJ471	c	470 OHM	J	1/4W	
	ERJ6GEYJ331	М	330 DHM	J	1/10W	R1257	ERDS1FJ330	С	33 OHM	J	1/2W	
1	ERJ6GEYJ100	М	10 DHM	J	1/10W	_	ERJ6ENF2372	M	23.7K OHM	F	1/10W	
	ERJ6GEYJ330	М	33 DHM	J	1/10W	R1262	ERJ6ENF4532	M	45.3K OHM	F	1/10W	
R1040	ERJ6ENF2260	М	226 OHM	F	1/10W	R1265	ERJ6GEYJ221	M	220 OHM	J	1/10W	
1	ERJ6ENF29R4	М	29.4 OHM	F	1/10W	R1266	ERJ6GEYJ103	м	10K DHM	J	1/10W	
1	ERJ6GEYJ682	М	6.8K OHM	J	1/10W	R1267	ERDS2TJ224	C	220K DHM	Ų	1/4W	
1	ERJ6ENF1581	М	1.58K OHM	F	1/10W	R1301	ERJ6GEYJ103	М	1 OK DHM	J	1/10W	
	ERJ6ENF1053	М	105K OHM	F	1/10W	R1303	ERJ6GEYJ103	М	10K OHM	J	1/10W	
R1052	ERJ6GEYOROO	М	OOHM		1/10W	R1320	ERJ6GEYJ101	М	100 OHM	J	1/10W	
	ERDS2TJ471	c	470 OHM	J	1/4W	R1321	ERJ6GEYJ101	м	100 DHM	J	1/10W	
1 -	ERDS1FJ330	С	33 OHM	J	1/2W	R1322	ERJ6GEYJ101	М	100 DHM	ن	1/10W	
	ERJ6ENF2372	М	23.7K OHM	F	1/10W		ERJ6ENF2372	М	23.7K OHM	F	1/10W	
	ERJ6ENF4532	М	45.3K OHM	F	1/10W	R1326	ERJ6ENF4641	М	4.64K OHM	F	1/10W	
R1065	ERJ6GEYJ221	М	220 OHM	J	1/10W	R1327	ERJ6GEYJ470	М	47 OHM	J	1/10W	
R1066	ERJ6GEYJ103	м	10K OHM	J	1/10W	R1330	ERJ6GEYJ102	м	1K OHM	J	1/10W	
R1067	ERDS2TJ224	С	220K OHM	J	1/4W	R1331	ERJ6GEYJ683	М	68K OHM	Ū	1/10W	
R1107	ERJ6ENF11R5	М	11.5 OHM	F	1/10W		ERJ6GEYOROO	М	O DHM	-	1/10W	
R1111	TAJADQ76R8FV	М	76.8 OHM	F	1/3W		ERJ6ENF7501	М	7.5K OHM	F	1/10W	
R1112	ERJ6GEYJ223	М	22K OHM	J	1/10W	1 1	ERJ6ENF1002	М	10K DHM	F	1/10W	
R1113	ERJ6GEYJ123	М	12K OHM	J	1/10W	R1335	ERJ6GEYJ562	м	5.6K OHM	ن	1/10W	
R1114	ERJ6ENF1400	М	140 OHM	F	1/10W	R1336	ERJ6GEYJ223	М	22K OHM	Ú	1/10W	
R1120	TAJADQ75ROFV	М	75 OHM	F	1/3W	R1338	ERJ6GEYJ123	М	12K OHM	J	1/10W	
R1121	ERJ6GEYJ330	М	33 OHW	J	1/10W		ERJ6GEYJ183	М	18K OHM	J	1/10W	
R1122	ERJ8GCYJ471	М	470 OHM	J	1/8W	R1340	ERJ6GEYJ331	М	330 OHM	J	1/10W	
R1123	ERJ6GEYJ330	М	33 OHM	J	1/10W	R1341	ERDS1FJ682	c	6.8K OHM	J	1/2W	
R1130	ERJ6GEYJ330	М	33 OHM	J	1/10W	R1343	ERQ14AJR47HK	F	0.47 OHM	J	1/4W	
R1131	ERJ6GEYJ331	M	330 OHM	J	1/10W	R1345	ERJ6GEYJ222	М	2.2K OHM	J	1/10W	
R1132	ERJ6GEYJ100	М	10 OHM	J	1/10W	R1346	ERDS1FJ561	С	560 OHM	J	1/2W	
R1133	ERJ6GEYJ330	M	33 OHM	J	1/10W	R1347	ERJ6ENF1241	М	1.24K OHM	F	1/10W	
R1140	ERJ6ENF2260	м	226 OHM	F	1/10W	R1348	ERJ6ENF 1002	М	10K OHM	F	1/10W	
1	ERJ6ENF26R7	М	26.7 OHM	F	1/10W		ERDS1FJ680	C	68 OHM	J	1/2W	
I	ERJ6GEYJ682	М	6.8K OHM	J	1/10W		ERJ6GEYJ222	М	2.2K OHM	J	1/10W	
ł	ERJ6ENF1581	М	1.58K DHM	F	1/10W		ERJ6GEYJ563	М	56K OHM	J	1/10W	
R1150	ERJ6ENF1053	М	105K DHM	F	1/10W	R1362	ERJ6GEYJ102	М	1K OHM	J	1/10W	
	ERJ6GEYOROO	м	OOHM		1/10W	R1364	ERJ6ENF6192	M	61.9K OHM	F	1/10W	
	ERDS2TJ471	С	470 OHM	J	1/4W	1 1	EROS2CKF1004	M	1M OHM	F	1/4W	
	ERDS1FJ330	С	33 OHM	J	1/2W		ERJ6GEYJ103	М	10K DHM	J	1/10W	
_	ERJ6ENF2372	М	23.7K OHM	F	1/10W	R1370	ERJ6GEYJ472	М	4.7K OHM	J	1/10W	
R1162	ERJ6ENF4532	М	45.3K OHM	F	1/10W	R1371	ERJ6GEYJ682	М	6.8K OHM	J	1/10W	
R1165	ERJ6GEYJ221	М	220 OHM	J	1/10W	R1372	ERJ6GEYJ332	м	3.3K OHM	J	1/10W	
	ERJ6GEYJ103	М	10K OHM	J	1/10W	R1373	ERJ6GEYJ682	М	6.8K OHM	J	1/10W	
	ERDS2TJ224	С	220K OHM	J	1/4W	R1374	ERJ6GEYJ153	М	15K OHM	J	1/10W	
1	ERJ6ENF11R5 TAJADQ76R8FV	M	11.5 OHM 76.8 OHM	F	1/10W	. ,	ERDS1FJ125	C	1.2M OHM	J	1/2W	
1211	- AUADQ/OKOFV	"	70.0 UHM	Г	1/3W	1392	ERJ6GEYJ472	M	4.7K OHM	J	1/10W	
	ERJ6GEYJ223	M	22K OHM	J	1/10W		ERJ6GEYJ152	M	1.5K DHM	J	1/10W	
ı	ERJ6GEYJ123 ERJ6ENF3900	M	12K OHM	J	1/10W		ERJ6GEYJ392	М	3.9K OHM	J	1/10>W	
1	TAJADQ75ROFV	M	390 OHM	F	1/10W		ERJ6GEYJ102	M	1K DHM	J	1/10>W	
1	ERJ6GEYJ330	M	75 OHM 33 OHM	F	1/3W 1/10W	1 1	ERDS1FJ224 ERJ6GEYJ330	C	220K DHM 33 DHM	J	1/2W 1/1 > W	
ļ		["	33 OHM	J				"	33 UNIV	J		
1	ERJ8GCYJ471	М	470 OHM	J	1/8W		ERJ6GEYJ562	М	5.6K OHM	J	1/10-W	
R1223	ERJ6GEYJ330	М	33 OHM	J	1/10W	R1403	ERJ6GEYJ561	M	560 OHM	J	1/10-W	

	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
	R1405 R1412 R1413	ERJ6GEYJ105 ERJ6GEYJ101 ERJ6GEYJ101	M 1.8K OHM J 1/10W M 1M OHM J 1/10W M 100 OHM J 1/10W M 100 OHM J 1/10W M 1K OHM J 1/10W		N903 N1002A N1002B	TEL302-9 EMCSO451ML TJS8A4291 TJS8A4291 TJSCOO6OO	TERMINAL 4P CONNECTOR(L-TYPE) PHONO PIN CONNECTOR PHONO PIN CONNECTOR CRT SOCKET
	R1501	ERJ6GEYJ103	M 1K DHM J 1/10W M 10K DHM J 1/10W M 10K DHM J 1/10W	$\overline{\mathbb{A}}$	N1006 N1007- N1011	TJC85342T TJCD003 TSXX054 TJSF26615 TJSF09554	LUG TERMINAL TERMINAL 1P/2P CONNECTOR ASSY 15P CONNECTOR(D-SUB) 54P CONNECTOR
		TESA027 THEC0159 THE902N THTF001 TMKK027	CRT PCB HOLDER SCREW(FOR CRT PCB HOLDER) D-SUB SCREW SCREW(FOR IC/TR/D) DOUBLE FACE TAPE		N1102E N1202A N1202E	TJS8A4291 TJS8A4291 TJS8A4291 TJS8A4291 TEL3O2-9	PHONO PIN CONNECTOR PHONO PIN CONNECTOR PHONO PIN CONNECTOR PHONO PIN CONNECTOR TERMINAL
△		TMMK030 TMM81417-1 TSC8908-0 TSXF134 TSXF135	INSULATION TUBE CORD BAND(BIG) FERRITE CORE PHONO PIN CABLE(GREY) PHONO PIN CABLE(RED)		N510-3 N510-4 N901-1	TEL302-9 TEL302-9 TEL302-9 TEL302-9 TEL302-9	TERMINAL TERMINAL TERMINAL TERMINAL TERMINAL
		TSXF136 TUCC5095-1 TUCC5270 TUCC5271 TUWF034	PHONO PIN CABLE(BLUE) AC SOCKET BRACKET SHIELD CASE(CRT PCB) SHIELD PLATE(CRT PCB) BNC TERMINAL BRACKET	⚠	PC822 PC823 Q16	0N3171 0N3171 HCNW4504 UN11004 TSEH0012	PHOTO COUPLER PHOTO COUPLER PHOTO COUPLER IC PROTECTOR(0.4A) RELAY
	CL1 CL2 F801	XTV3+10J XYE3+EJ10 TMM85490 TUXX104 XBA2C50TB15L	SCREW SCREW LEAD CLAMPER WIRE CLIP FUSE(5.0A)	Δ	\$371 \$671 \$1051	TSEHOO10 TAGAOOO5 TAGDSP141T TAGDSP141T TAGDSP141T	RELAY SPARK GAP SPARK GAP SPARK GAP SPARK GAP
	F851 FG1 FG2 FG3 FG4	TSFX37A632 TJC85341 TJC85341 TJC85341 TJC85341	FUSE(6.3A) EARTH LUG EARTH LUG EARTH LUG EARTH LUG	⚠	S1351 S1355 S1371	TAGDSP141T TAGDSP141T TAGDSP201MF TAGA0005 ESB91274A	SPARK GAP SPARK GAP SPARK GAP SPARK GAP SWITCH(POWER)
	FG5 FG6 FG7 FG8 FG9	TJC85341 TJC85341 TJC85341 TJC85341 TJC85341	EARTH LUG EARTH LUG EARTH LUG EARTH LUG EARTH LUG		SW992 SW993 SW994	EVQ33405R EVQ33405R EVQ33405R EVQ33405R ERTB6SFL100P	SWITCH SWITCH SWITCH SWITCH THERMISTOR
	FG11 FG101 FG102	TJC85341 TJC85341 TJC85341 TJC85341 TJC85341	EARTH LUG EARTH LUG EARTH LUG EARTH LUG EARTH LUG	Δ	TH901 TP5 X101	TAP108M7R0 TEL302-9 TAAA0005	POSISTOR TERMINAL CRYSTAL OSCILLATOR
△	t .	TJC85502T TJC85502T EMCS0464M TSXX082 TJSF07805	FUSE HOLDER FUSE HOLDER 4P CONNECTOR 2P/3P CONNECTOR ASSY 5P CONNECTOR				
♠	N100B N101	TJSF16305 TJSF07820 TJSF16320 TJS118590 TJSF08012	5P CONNECTOR 20P CONNECTOR 20P CONNECTOR(L-TYPE) 2P CONNECTOR 12P CONNECTOR				
		TUSF07912 TUEA022 TUC85342T TUCD003 TUS8A9361	12P CONNECTOR(L-TYPE) HEAT SINK TERMINAL LUG TERMINAL TERMINAL AC SOCKET				
	N861 N891	EMCS0264M TEL302-9	2P CONNECTOR TERMINAL				

MEMO
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REPLACEMENT PARTSA LIST Ver.1.1 -

Important Safety Notice —

Components identified by the International symbol \triangle have special characteristics important for safety. When replacing any of these components use only manufacture's specified parts.

RESISTOR

		PART NAME & [DES	CRIPTION	
		TYPE	/	ALLOWANCE	
	C	Carbon	F	± 1%	
	F	Fuse	J	± 5%	_ ←
	М	Metal Oxide	Κ	± 10%	
	S	Solid	М	± 20%	
	W	Wire Wound	G	± 2%	
		Part No.		Description	
Exampl	e:	ERD25TJ104) 10	00K (J)	1/4W

-NOTE

When ordering a flyback transformer, the focus lead (red / white) and the anode lead should also be ordered, without fail.

CAPACITOR

	PART NAME & [DESC	CRIPTION
	TYPE		ALLOWANCE
С	Ceramic	С	± 0.25pF
Е	Electrolytic	D	± 0.5pF
Р	Polyester	F	± 1pF
S	Styrol	J	± 5%
Т	Tantalum	K	± 10%
PP	Polypropylene	L	± 15%
		М	± 20%
		Р	+100% - 0%
		Z	+80% - 20%

Example: ECKF1H103ZF(C) $0.01\mu F(Z)$

	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
				Δ		TMM6463	CLAMPER
l		CABINET &		Δ		TMM81499	PUSH RIVET
		MAIN PARTS				TMM85576-1	CRT RUBBER
1				Δ	19	TMM85586	RUBBER(WEDGE)
Δ	1	TTYA06701-3	ESCUTCHEON	Δ		TMKE128	FERRITE STICK
Δ	2	TKUC03572	REAR COVER				
Δ	3	TKSG001-A01	BOTTOM CABINET	Δ		TMKG035	SPONGE
Δ		TKSG004-B01	BASE CABINET	$\overline{\mathbb{A}}$	Ì	TMKG067	RUBBER CUSHION(BIG)
Δ		TKPA13801	FRONT PANEL	$\overline{\mathbb{A}}$	20	TMK84990	SET LEG
1				_		TQFXO40	CONDUCTIVE SHEET
\triangle		TKKC5042	LED GUIDE			THT 1028	SCREW(FOR CRT)
Δ		TKKL5019	BLIND COVER				
Δ	1	TKKX5010	CENTER POST			THT 1069	SCREW(FOR SHIELD CASE)
		TKKX5011-1	SPACER RING	1		XTB4+12J	SCREW
Δ		TKK859745-9	CONNECTOR COVER			XTN5+16LY	SCREW
_						XTN5+25J	SCREW
	7	TUAA06401-1	BOTTOM PLATE			XTV3+10A	SCREW
l	1	TSAA3004	RADIATOR				
	8	TUCC5083-1	SHIELD CASE(CRT)R			XTV3+20J	SCREW
		TUCC5084-1	SHIELD CASE(CRT)L			XTV3+8A	SCREW
		TUCC5085-1	SHIELD CASE BRACKET	1		XYA4+EF8	SCREW
		10000000	I STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STATE STAT	1		XYA4+EJ10	SCREW
	11	TUCC5115	SHIELD CASE	1		XYE3+EJ10	SCREW
		TUCC5116-2	SHIELD CASE(REAR)			112012010	T
Δ		TBLB3002-A01	PEDESTAL		21	M51KVV540X-A	COLOR PICTURE TUBE
$\overline{\Delta}$	I .	TBMD286	MODEL NAME LABEL	-		TNPA0892-23	PC BOARD W/COMPONENT
$\overline{\Delta}$		TBXA04401	POWER SWITCH SHAFT	1		1111 40032 20	(SSP/TCD)
	.0	DAROTTO	SWER SWITCH SHALL	Δ	23	TNPH0173-25	PC BOARD W/COMPONENT
Δ	16	TBXA09601	KNOB(POWER SWITCH)	۳ ا		111110175 25	(MAIN)
$\overline{\mathbb{A}}$		TBXA09701	KNOB(CONTROL)	l			(MAIN)
س	''	TESAO12	SPRING(CRT EARTH)		24	TYANDAEGOVIM	PC BOARD W/COMPONENT
		TESA046	SPRING(CRT EARTH, BOTTOM)			I XAIVE TI USVENI	(VIDEO INPUT/CRT/KBD)
	18	TESDO08	SPRING(POWER SWITCH)	Δ	25	MEY51LHB4	DEFLECTION YOKE
	10	1230000	SPRING(POWER SWITCH)	<u>A</u>	1	TLCB006-1	CONVERGENCE COIL
		TESHO17	FBT SPRING			TSPA026-6	DEGAUSS COIL
	1	TES8586	EARTH SPRING	43	21	13FAU26-6	DEGAUSS COIL
		TMMEO23	TILT COIL CLAMPER(BIG)	$ _{\Delta}$	28	TSPF004-2	TILT COIL
A			PC BOARD SPACER		20		POWER CORD<-MC>
⚠		TMME034	DEGAUSS COIL CLAMPER, SIDE			TSXAO23 TSXAO76	POWER CORD<-MC>
دن		TMMEO35	DEGAUSS CUIL CLAMPER, SIDE	۳		TSXF051-1	SIGNAL CORD
Δ	1	TRADATOFO	LEAD CLAMPER(SMALL)				
<u>A</u>		TMMEO52	DEGAUSS COIL CLAMPER	1		TSXL030	FLAT CORD(5P)
<u> </u>		TMMEO70		Δ		TCYLOFF	ELAT (CODD(CCC))
∆ Δ		TMM15404-1	SPACER RING			TSXL055	FLAT CORD(20P)
دن		TMM16452	TILT COIL CLAMPER	43		TSXX075	SCREEN LEAD(RED)

	Ref.No.		Description	Ref.No	. Part No.	Description
Δ		TSXX076	FDCUS LEAD(RED)	Q12	2SD602R	TRANSISTOR
Δ		TSXX077	FOCUS LEAD(WHITE)	Q13	2SC4080DETD	TRANSISTOR
Δ		TSXX053	4P CONNECTOR ASSY	Q14	2SC4412-45	TRANSISTOR
<u>A</u>		TXA3A11F63NM		Q15	2SA1682-45	TRANSISTOR
٦	1	TSMA003	MAGNET	Q106	2SC3938R	l .
l .		1 SMACOO	I AGIVE I	W108	2303936K	TRANSISTOR
ı		T4F31519Q	POLYESTER TAPE(50M)	h	0000000	TRANSTOTOR
	1	T4F72425Q	COTTON TAPE(55M)	Q110	2SC3938R	TRANSISTOR
			MAIRA TAPE	Q280	2SA1739R	TRANSISTOR
	1	T4F90240		Q286	2SC3938R	TRANSISTOR
		TPCA62701	DUTER CARTON	Q379	2SC4081R	TRANSISTOR
		1XAPD2D21/1B	FILLER(BOTTOM)	Q380	2SC4620V25	TRANSISTOR
		L				
		TXAPD2D2171T		Q381	2SA1576A	TRANSISTOR
		TPE894011-2	SET COVER	Q382		TRANSISTOR
	1 1	TQE8513-2	FUN BAG COVER	Q383	2SD1264PLB	TRANSISTOR
Δ		TQBE0261	INSTRUCTION BOOK	Q384	2SB94OPLB	TRANSISTOR
		TQFA343	BAR CODE LABEL	Q510	2SC1473AR	TRANSISTOR
		TQFA360	WARNING LABEL	Q535	2SD1820AR	TRANSISTOR
		TQFA532	PTB LABEL(INNER)	Q536	1	TRANSISTOR
		TQF83825-6	SERIAL NO. LABEL	Q549		TRANSISTOR
		TQF85363-1	CARTON LABEL<-MC>	Q550	l	TRANSISTOR
	, ,	TQF85363-8	CARTON LABEL<-EC>	Q560	L	TRANSISTOR
				4550	D. TOZITAL	LUDIGITATOR
		TQF86608	EARTH CAUTION LABEL	Q562	UN5211AI	TRANSTETOR
		1. 2.3000	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	Q564		TRANSISTOR
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	IC31	AN5768	10	Q575		TRANSISTOR
		1	I C	Q601	2SK2761-01MR	IRANSISTOR
		CU32110A-107	1 1			
		24LCO8BTISN	IC	Q820		TRANSISTOR
		LF347MX	IC	Q821		TRANSISTOR
	1C107	LF347MX	IC	Q827	2SA733Q	TRANSISTOR
		L		Q853		TRANSISTOR
		TC74HC14AF	IC	Q858	2SD1949Q	TRANSISTOR
		NJM2904M	IC			
		LF353MX	IC	Q859	UN5211AI	TRANSISTOR
	IC491	LA7875N	Ic	1.	1	TRANSISTOR
	IC510	LA6500-FA	IC		1	TRANSISTOR
					I	TRANSISTOR
	IC511	AN8025M	IC	0882		TRANSISTOR
		NJM2904M	lic	3002		
	IC580		ic	0890	2SK1848	TRANSISTOR
		TVSA0216	HYBRID IC	1	1 1	TRANSISTOR
		NJM2904M	ic l	Q902	L	·
						TRANSISTOR
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	10821	L78MRO5LM	IC	Q1132	2SA1764	TRANSISTOR
		L		Q1165	2SC4412-45	TRANSISTOR
			IC	Q1202	2SC4270	TRANSISTOR
	TC1301		IC			
\triangle	IC1302	VP3628	HYBRID IC	Q1230	2SC4270	TRANSISTOR
	IC1303		HYBRID IC		1	TRANSISTOR
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12	IC1381	NJM2904M	11C		LATITORIA	TRANSISTOR
	IC1381		IC		l 1	l l
	IC1381		IC	Q1346	2SA1739R	TRANSISTOR
	IC1381	LSC4385DW2		Q1346 Q1370	2SA1739R 2SC3938R	TRANSISTOR TRANSISTOR
	IC1381			Q1346 Q1370	2SA1739R 2SC3938R	TRANSISTOR
	IC1381	LSC4385DW2 TRANSISTORS	IC	Q1346 Q1370 Q1371	2SA1739R 2SC3938R 2SC3757Q	TRANSISTOR TRANSISTOR
	IC1381 IC1401	LSC4385DW2 TRANSISTORS SLA5041		Q1346 Q1370 Q1371 Q1380	2SA1739R 2SC3938R 2SC3757Q	TRANSISTOR TRANSISTOR

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
Q1382	2SA1767Q	TRANSISTOR	D865	ERC30-02	DIODE
	2SD1819AQ	TRANSISTOR	D866	ERC30-02	DIODE
4 1000	230101324	TRAITS IS TOR	1 1		1
1		1	D867	EGO1A	DIODE
	DIODES		D868	RN3ZO14-305	DIODE
			D869	MA111	DIODE
D10	MA8150M	DIODE			71002
					2.005
	MA153A	DIODE	D871	MA418ONM	DIODE
D12	MA4150NM	DIODE	D872	MA4022L	DIODE
1	MA 174	DIODE	D873	MA748	DIODE
		1	I I	ł .	
D14	MA111	DIODE	D874	MA719	DIODE
			D875	MA719	DIODE
D15	MA2330B	DIODE	I		
t .	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	1	L 222		21025
1	DTZTT115R6B	DIODE	D876	MA719	DIODE
D129	MA357	DIODE	D878	MA748	DIODE
D211	MA8056M	DIODE	D890	MA142WK	DIODE
		1	I I		· ·
D212	MA8056M	DIODE	D891	MA111	DIODE
	1		D892	TVSD0003	DIODE
D251	MA8056M	DIODE	1 1		
	1		0007	MARIEOM	DIODE
	MA8056M	DIODE	D897	MA8150M	DIODE
D351	MA111	DIODE	D901	MA 1 1 1	DIODE
D352	MA111	DIODE	D902	TVSDOOO3	DIODE
	MA4390NM	1	D953		
J303	MINIOECHAIN	DIODE		MA4056NM	DIODÉ
	1	1	D978	MA4056NM	DIODE
D364	MA4390NM	DIODE	1		
	i -		0070	MA 405 CNIM	DIODE
	MA 4390NM	DIODE	D979	MA4056NM	DIODE
D366	MA 199	DIODE	D990	SML1816W	DIODE(LED)
D410	ERA1502	DIODE	D993	MA8056H	DIODE
	ERA1502	DIODE	1 1	MA8056H	DIODE
D411	ERA 1502	DIODE	1 1	f	1
	1		D995	MA8056H	DIODE
D421	MA704	DIODE	1 1		
	MA4051NM	DIODE	D996	MA8056H	DIODE
_			1 :		
D550	FMQ-G5GSLF	DIODE	01011	MATIT	DIODE
D551	ERA81004	DIODE	01012	MA 1 1 1	DIODE
	MA111	DIODE	D1013	•	DIODE
	1	7.352	B F	1	
	L		D1020	IVIA 1 1 1	DIODE
D553	MA8150M	DIODE	1	}	
	MA4047NM	DIODE	D1021	MA 1 1 1	DIODE
			L I		
	MA111	DIODE		DCC010	DIODE
D602	ESAC39M-06D	DIODE	D1051	MA2Z001	DIODE
D 6 04	ERA92-02	DIODE	D1052	MA2Z001	DIODE
		[
		5.005	1 10,000	MA167A	DIODE
	ERA92-02	DIODE	1		
D651	MA167	DIODE	D1111	MA111	DIODE
	TVSAGO1	DIODE	D1112		DIODE
			1		1
	TVSAGO1	DIODE	D1113	i .	DIODE
D654	MA111	DIODE	D1120	MA111	DIODE
	1		D1121	l .	DIODE
0070		D. T. C. D. T.	' ' '	[15 1 1 1	01001
	MA165	DIODE	1 1	1	1
D 6 74	MA142WK	DIODE	D1130	DCC010	DIODE
	MA4075NM	DIODE	4 1	MA2Z001	DIODE
			4 :	1	
	RBV606	DIODE	1 1	MA2Z001	DIODE
D822	RG2A2	DIODE	D1165	MA167A	DIODE
	1		D1211	1	DIODE
0004	MA 42005184	DIODE			7-552
	MA4300NM	DIODE	l .	L	L
D825	MA113	DIODE	D1212	MA 1 1 1	DIODE
D826	MA 165	DIODE	D1213	MA111	DIODE
	MA4082NM	DIODE	D1220	•	DIODE
	i e		1 1	li de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	
D840	TAB101K201T	VARISTOR	D1221	MA 1 1 1	DIODE
			D1230	DCC010	DIODE
D841	EG01Z	DIODE	1	1]
	1 '		1 1		h
	MA4150NL	DIODE		MA2Z001	DIODE
D843	ERA34-10	DIODE	D1252	MA2Z001	DIODE
	MA111	DIODE		MA167A	DIODE
	i e	· ·	1 1	I .	1
D851	ERC91-02	DIODE	7 1	MA142WA	DIODE
	1		D1324	MA4056NM	DIODE
D855	MA4091NM	DIODE	[[1	
			L	L	L
D856	CB903-4	DIODE	D1325	MA 188	DIODE
	MA111	DIODE	D1326	1	DIODE
	•	•			
	MA111	DIODE	D1331		DIODE
D861	EGO1A	DIODE	D1340	MA4051NM	DIODE
	1		1 1	MA4051NM	DIODE
	i	L	1 101341	TINH COPAIN	D100E
20.00	man			1	
	FML-S16S	DIODE		1	
-	FML-S16S TVSRG2	DIODE	D1342	MA4051NM	DIODE

Ref.No.	1	Description	Ref.No.	<u> </u>	Description
	2SA1767Q	TRANSISTOR	1	ERC30-02	DIODE
Q1383	2SD1819AQ	TRANSISTOR	D866	ERC30-02	DIODE
+			D867	EGO1A	DIODE
	DIODES		D868	RN3ZO14-305	DIODE
	010023			MA111	DIODE
- 40		2.025	1 10003	MAILI	DIODE
1	MA8150M	DIODE			
D11	MA 153A	DIODE	D871	MA418ONM	DIODE
D12	MA4150NM	DIODE	D872	MA4022L	DIODE
	MA 174	DIODE	I i	MA748	DIODE
		1	1 1	MA719	DIODE
D14	MA 1 1 1	DIODE		l .	4
1			D875	MA719	DIODE
D15	MA2330B	DIODE			
D110	DTZTT115R6B	DIODE	D876	MA719	DIODE
1	MA357	DIODE	D878	MA748	DIODE
1			1 1	MA142WK	DIODE
1	MA8056M	DIODE	• •	1	1
D212	MA8056M	DIODE	D891	MA111	DIODE
1			D892	TVSD0003	DIODE
D251	MA8056M	DIODE			
			0897	MARISOM	h tone
	MA8056M	DIODE		MA8150M	DIODE
ì	MA111	DIODE		MA 1 1 1	DIODE
D352	MA111	DIODE	D902	TVSDOOO3	DIODE
D363	MA4390NM	DIODE	ł 1	MA4056NM	DIODE
1000		7		MA4056NM	DIODE
000		7.005	1 12/0	MAHOSONIVI	DIODE
	MA4390NM	DIODE	1	1	
D365	MA4390NM	DIODE	0979	MA4056NM	DIODE
-	MA 199	DIODE		SML1816W	DIODE(LED)
			1 1		DIODE
1	ERA1502	DIODE		MA8056H	
D411	ERA1502	DIODE		MA8056H	DIODE
	1		D995	MA8056H	DIODE
D421	MA704	DIODE	;		
		· ·	0000	MAROECU	0.1005
	MA4051NM	DIODE	1	MA8056H	DIODE
	FMQ-G5GSLF	DIODE	D1011		DIODE
D551	ERA81004	DIODE	D1012	MA111	DIODE
1	MA 1 1 1	DIODE	D1013	l .	DIODE
3332			D1020		DIODE
	1	L	D1020	IVIAIII	DIODE
i .	MA8150M	DIODE	1	ŀ	
D575	MA4047NM	DIODE	D1021	MA111	DIODE
1	MA 1 1 1	DIODE	D1030	DCC010	DIODE
	ESAC39M-06D	DIODE		MA2Z001	DIODE
1					
D604	ERA92-02	DIODE		MA2Z001	DIODE
			D1065	MA167A	DIODE
D605	ERA92-02	DIODE	1 1	1	
D651	MA167	DIODE	D1111	MA111	DIODE
	TVSAGO1	DIODE	D1112		DIODE
		ı		1	1
D653	TVSAGO1	DIODE	D1113		DIODE
D 6 54	MA111	DIODE	D1120		DIODE
l	1		D1121	MA111	DIODE
D673	MA165	DIODE			
	MA142WK	DIODE	D1130	DCC010	DIODE
	4	1	1 1	1	
1	MA4075NM	DIODE		MA2Z001	DIODE
D821	RBV606	DIODE	D1152	MA2Z001	DIODE
	RG2A2	DIODE	D1165	MA167A	DIODE
		1	D1211	i	DIODE
D004	has 420001111	DIODE		[]	2006
	MA4300NM	DIODE		L	L
D825	MA113	DIODE	D1212		DIODE
D826	MA 165	DIODE	D1213	MA111	DIODE
	MA4082NM	DIODE	D1220	1	DIODE
1	_	l .		i	15 5 5 5
D840	TAB101K201T	VARISTOR	D1221	l e e e e e e e e e e e e e e e e e e e	DIODE
1	-		D1230	DCC010	DIODE
D841	EG01Z	DIODE	I		1
1	MA415ONL	DIODE	D1251	MA2Z001	DIODE
1	ERA34-10	DIODE		MA2Z001	DIODE
	ı				
ı	MA111	DIODE	1 1	MA167A	DIODE
D851	ERC91-02	DIODE	D1301	MA142WA	DIODE
1			D1324	MA4056NM	DIODE
D855	MA4091NM	DIODE	[· · • • · ·		f
1			1 2.55-		brons
	CB903-4	DIODE	D1325		DIODE
D857	MA111	DIODE	D1326	MA 1 1 1	DIODE
	MA111	DIODE	D1331	MA111	DIODE
D861	EGO1A	DIODE		MA4051NM	DIODE
7001	LGUIA		i l		
L			U1341	MA4051NM	DIODE
D862	FML-S16S	DIODE	1		
	}	DIODE	D1342	MA4051NM	DIODE
D863	TVSRG2				DIOUL

	Ref.No.	Part No.	Description	Ref.No.	Part No.		Desc	ription)
		MA4051NM	DIODE	C16		С	1000PF	J	50V
	D1345	MA 405 1 NM	DIODE	C17	ECQE2104KF	P	0.1UF	K	200V
	D1346	MA4051NM	DIODE	C31	ECEA1HGE4R7	Ε	4.7UF		50V
	D1347	MA8330M	DIODE	C32	ECEA1HGE4R7	Ε	4.7UF		50V
	D1348		DIODE			c	1UF	Z	16V
	D1349	MASSSOM	DIODE	C52	ECJ2VF1C105Z	c	1UF	z	16V
	1	MA 1 1 1	DIODE	1		c	1UF	Ž	167
	D1381		DIODE		ECJ2VF1C105Z		1UF	z	167
		EU02Z	DIODE	1		2			
			F		ECJ2VF1C105Z	<u>.</u>	1UF	Z	16V
	01383	MA8100L	DIODE	C58	ECJ2VF1C105Z	c	1UF	Z	16V
		COIL &			ECUX 1H150JCN	c	15PF	J	50V
		RANSFURMERS		I	ECUX 1H150JCN	1	15PF	J	5OV
			L		ECUX1H103KBG	4	0.01UF	K	5OV
	1	ELJFA5R6JB	CHIP COIL	i i		C	0.1UF	Ż	50V
Ţ	1	ELC18B272G TLH85815T	CHOKE COIL	C111	ECAOJHG471	E	470UF		6.3V
	ł	ELEY102KA	PEAKING COIL	C113	ECUX1C104KBX	h	0.1UF	1/	167
	1	li de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	l l	1	i	ř.		K	16V
	L532	TLH85815T	COIL			C	1000PF	K	5 O V
					ECUX1H102KBN		1000PF	K	5 O V
		EXCELSA35T	LC COMBINATION	I	_	С	0.1UF	Z	5OV
		EXCELSA35T	LC COMBINATION	C118	ECJ2VF1H1O4Z	С	0.1UF	Z	50V
Δ	1	ELHKLBO30B	COIL						
Δ	L578	ELHKLB031B	COIL	C119	ECUX1H222JCX	c	2200PF	J	5 O V
	L601	TLUADTB100K	PEAKING COIL	C122	ECUX1C105KBW	c	1UF	K	167
					ECJ2VF1H1O4Z		0.1UF	ž	50V
	L602	TLUACNB220K	PEAKING COIL		ECUX1H103KBG		0.01UF	ĸ	50V
		TSK8029	FERRITE CORE			c	0.1UF	ž	_
		TSK8029	FERRITE CORE	C125	EC02VF1R1042	۲	O. 10F	2	5 O V
						_			
		TSK8029	FERRITE CORE				4700PF	K	5 O V
Δ	L801	ELF18D666V	LINE FILTER			Ε	10UF		16V
	1	I				Ε	470UF		6.3V
Δ		ELF18D666V	LINE FILTER	C132	ECJ2VF1H1O4Z	c	0.1UF	Z	5 O V
	L820	EXCELDR35C	LC COMBINATION	C133	ECEV1CG100G	Ε	10UF		16V
Δ		TLP85708R	CHOKE COIL	l					
		TSK8029	FERRITE CORE	C134	ECJ2VF1H1O4Z	c	0.1UF	Z	50V
		TSK8029	FERRITE CORE	i	ECJ2VF1H104Z	I .	0.1UF	ž	5OV
		15/10025	1 2 30 12			E	10UF	_	16 V
	L863	TSK8029	FERRITE CORE	ı	1	C	0.1UF	z	5OV
		TSK8029				l .			_
			FERRITE CORE	C 140	ECJ2VF1H1O4Z	С	0.1UF	Z	5 0 V
		TSK8029	FERRITE CORE			_		_	
		TSK8029	FERRITE CORE			С	0.1UF	Z	5 0 V
	L868	T\$K8029	FERRITE CORE			С	100PF	J	50 V
		1		1	ECUX1H101JCG	С	100PF	J	5 0 V
	1	TLUACNB102J	PEAKING COIL		ECJ2VF1H1O4Z	С	0.1UF	Z	50 V
	L898	TLUACNB102J	PEAKING COIL	C151	ECJ2VF1H1O4Z	С	0.1UF	Z	5 0 V
	L1320	EXCELDR35C	LC COMBINATION		•				
	L1321	TSKA092	FERRITE CORE	C152	ECJ2VF1H1O4Z	С	0.1UF	Z	50 V
	1	TSKA092	FERRITE CORE		ECUX1C224KBX		0.22UF	ĸ	16 V
		1		I	ECJ2VF1H1O4Z		0.1UF	Z	50 V
	11323	TSKA092	FERRITE CORE	1	ECJ2VF1H1O4Z		0.1UF	ž	50 V
	1	TSKA092	FERRITE CORE	1	ECUX1H151JCG		150PF	J	50 V
	1	ELESN221KA	PEAKING COIL	P 103	LCOX IN 19 10 CG	_	15086	J	3 0 V
			1	6464	ECHYALIZET 100		45005		FC 1/
	1	EXCELDR35C	LC COMBINATION		ECUX1H151JCG		150PF	J	50 V
	L1341	EXCELDR35C	LC COMBINATION		ECUX1H151JCG		150PF	Ų	50 V
		L	1		ECUX1H151JCG		150PF	Ų	50 V
	1	EXCELDR35C	LC COMBINATION		ECUX1H151JCG		150PF	J	5 > V
	1	EXCELDR35C	LC COMBINATION	C169	ECUX1C224KBX	С	0.22UF	K	16 V
	1	EXCELDR35C	LC COMBINATION						
	L1401	ELEXH151KA	PEAKING COIL	C170	ECUX1H151JCG	С	150PF	J	50 V
7	T351	TLHGO10	D.A.F. TRANSFORMER			Ε	47UF		16 V
					ECJ2VF1H1O4Z		0.1UF	Z	50 V
\	T541	ETH19K179AM	H.DRIVE TRANSFORMER	1	ECA1CHG471	E	470UF	-	16 V
	1	ETS29AC1Z9AC	1	1		Ċ	0.1UF	z	50 V
		TLFA01365	FLYBACK TRANSFORMER	5173	200211 1111042	~	J. 15F	4	J. V
	1			2400	EC.10VE1U1047	_	0.405	~	E~ 1/
	1	TLPA052	POWER TRANSFORMER		ECJ2VF1H1O4Z		0.1UF	Z	50 V
۷	Т823	TLPA066	POWER TRANSFORMER(SUB)			E	10UF	_	16 V
					ECJ2VF1H1O4Z		0.1UF	Z	50 V
	1	CAPACITORS	ļ l	ı		Ε	10UF		16 V
	l			C187	ECUX1H562JUW	С	5600PF	J	50 V
	C11	ECQV1H223JL	P 0.022UF J 50V		1				
			1	6400	ECUX1H562JUW	^	E0000E		4/
	C13	ECJ2VF1H1O4Z	C 0.1UF Z 50V	C188	ECUX 1 H 36 Z J U W 1	•	5600PF	J	50 V

C198	Ref.No.	Part No.		Description	1		Ref.No.	<u> </u>			ription	
C285 ECUZYPINIO42 C	C190	ECUX 1H562JCW	C 5600	PF J	50V		C672	ECEA25V4R7T	E	4.7UF		
C255 ECQ2VF1H1042 C		ECUX 1H101JCG	C 100	PF J	50V		C674	ECQV1H105JL	P	1UF	J	50V
C285 ECUZVF IN1042 C				UF Z	50V	i	C675	ECQB1H104JF	P	0.1UF	J	50V
C258 ECUX H127 JUGG C 270 F J 50 V C854 ECUZ			-			1	1	1 '	k	0.1UF	Z	50V
C258 ECUX1H121UGC C 120PF J SOV C259 ECUX1H121UGC C 120PF J SOV C766 ECA15EN100 E C10F C250 ECUX1H15010 E C10F SOV C766 ECA15EN100 E C10F C250 ECA16N010 E C10F C250 ECA16N010 E C10F ECA26N010 E C10F							_	1	1 -			50V
C280 ECUX HINSOLON C 15PF J SOV C280 ECUX HINSOLON C 10UF SOV C281 ECUX HINSOLON C 10UF SOV C280 ECUX HINSOLON C 10UF C SOV C282 ECUX HINSOLON C C282 ECUX H	0207	L SOX III Z I I G G G		., .					1		_	
C289 ECUX HISDIOLON C 19FF J SOV C280 ECUX HISDIONS C 10UF SOV C 6801 ECUX ASSAURY C 4700FF M 250V C281 ECUX HISDIONS C 0.01UF K 50V C 6805 ECOX ASSAURY C 4700FF M C 6805 ECOX ASSAURY C	C258	ECUX 1H121JCG	C 120	PF J	50V	ŀ	C684	ECJ2VF1H1O4Z	c	0.1UF	Z	50V
C281 ECA1+HEN010 E		1	1			ł	C706		E	10UF		25V
C252 ECUX+H103KBG C O.10 F SOV D. C805 ECKDRS-472MEY C 4700PF M C250V C252 ECCA2CHG100 E T0VF SOV D. C806 ECKDRS-472MEY C 4700PF M C250V C270 ECKUR-472MEY C C270			1			 					М	
C352			_						Γ.			2001
C353 CQV1474UZ									1			
C370 ECLINHGATO E	C352	ECAZCHGTOO	'0	01	1001	~	0000	LONDING TIME!		470011		
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CS01	C450	ECQE1224KF	P 0.22	UF K	100V	1	C843	ECEA1EGE330	Ε	33UF		25 V
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C506 ECU2VF1H104Z C O.1UF Z 50V C852 ECQE1474KF P O.47UF K 100V C508 ECUX1E473KBX C O.047UF K 25V C853 ECAELHG471 E 47UF 16V C830 ECA2EHG2R2 E 2.2UF 250V C855 ECA1EHG471 E 470UF 25V C855 ECA1EHG471 E 470UF 25V C855 ECA1EHG471 E 470UF 25V C855 ECA1EHG471 E 470UF 25V C855 ECA1EHG471 E 470UF 25V C855 ECA1EHG471 E 470UF 25V C855 ECA2EHG101 E 100UF 250V C855 ECA2EHG101 E 100UF 250V C855 ECA2EHG101 E 100UF 250V C855 ECA2EHG101 E 100UF 250V C855 ECQE235KF P 3.3UF K 200V C862 ECW2022HV PP 2200PF H 1.5KV C861 ECCS2EA221CB E 220UF 250V C863 ECWF2364HBB PP 0.82UF H 200V C863 TACCC2A471MB E 470UF 100V C863 ECWF2364HBB PP 0.82UF H 200V C864 TACCC2A471MB E 470UF 100V C866 ECWF2824HBB PP 0.36UF H 200V C864 TACCC1E222MT E 220UF 25V C865 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C866 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C869 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C578 ECA1VHG470 E 47UF 35V C872 ECUX1C224KBW C 0.22UF M 100V C6578 ECA1VHG470 E 47UF 35V C872 ECUX1C224KBW C 0.22UF K 16V C590 ECUX1H103KBG C 0.01UF K 50V C874 ECA1CHG331 E 330UF 16V C590 ECUX1H103KBG C 0.01UF K 50V C874 ECA1CHG101 E 100UF 50V C652 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C654 ECA2CHG477 E 4.7UF 50V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C878 ECA1CHG100 E 10UF 250V C855 ECQV1H225JL P 2.2UF J 50V C882 ECEA1GG20 E 22UF 25V C655 ECQV1H25JL P 2.2UF J 50V C882 ECEA1GG20 E 22UF 25V C655 ECQV1H25JL P 2.2UF		ECJ2VF1C105Z	C 1	UF Z	16V		C851	TACCC1C102MT	Ε	1000UF		16V
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C530 ECA2EHG2R2 E 2.2UF 250V C855 ECA1EHG471 E 470UF 25V C551 ECA1VHG101 E 100UF 35V C858 ECJ2VF1H104Z C 0.1UF Z 50V C552 TACBN2A332KT C 3300PF K 100V C859 ECA2EHG101 E 100UF 250V C858 ECJ2VF1H104Z C 0.1UF Z 50V C858 ECJ2VF1H104Z C 0.1UF Z 50V C859 ECA2EHG101 E 100UF 250V C859 ECA2EHG101 E 100UF 250V C859 ECA2EHG101 E 100UF 250V C859 ECA2EHG101 E 100UF 250V C859 ECA2EHG101 E 100UF 250V C859 ECA2EHG101 E 100UF 250V C869 ECA1CHG331 E 330UF 16V C861 ECMF2154HBB PP 0.15UF H 200V C863 TACCC2A471MB E 470UF 25V C863 ECMF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 25V C868 ECMF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C869 ECMF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C869 ECMF2154HBB PP 0.15UF H 200V C866 ECEA1CGE22 E 220UF 25V C869 ECMF2154HBB PP 0.15UF H 200V C868 ECEA1EGE22 E 220UF 25V C869 ECMF2154HBB PP 0.15UF H 200V C868 ECEA1EGE22 E 220UF 25V C869 ECMF2154HBB PP 0.15UF H 200V C868 ECEA1EGE22 E 220UF 25V C869 ECA1CH331 E 330UF 16V C578 ECKD2H102KB5 C 1000PF K 500V C869 ECA1CH331 E 330UF 16V C578 ECA1VHG470 E 47UF 35V C872 ECUX1C224KBW C 0.22UF K 16V C578 ECA1VHG470 E 47UF 35V C874 ECA1HHG470 E 47UF 50V C875 ECA2EHG100 E 10UF 250V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C878 ECA1CHG101 E 100UF 16V C654 ECA2CHG100 E 10UF 250V C879 ECA1EHG470 E 47UF 25V C655 ECQV1H225UL P 2.2UF J 50V C881 ECA1HG100 E 10UF 50V C655 ECQV1H225UL P 2.2UF J 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C856 ECUX1H103KBG C 0.01UF K 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C881 ECA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HG100 E 10UF 50V	C506	ECJ2VF1H1O4Z	C 0.1	UF Z	50V		C852	ECQE1474KF	Р	0.47UF	K	100V
C551 ECA1VHG101 E 100UF 35V C858 ECJ2VF1H104Z C 0.1UF Z 50V C552 TACBN2A332KT C 3300PF K 100V C859 ECA2EHG101 E 100UF Z 50V C553 ECWH20222HV PP 2200PF H 1.5KV C861 ECO52EA221CB E 220UF 250V C554 ECWH20222HV PP 2200PF H 1.5KV C861 ECO52EA221CB E 220UF 250V C555 ECWE233KF P 3.3UF K 200V C862 TACCC2A471MB E 470UF 100V C561 ECWF2824HBB PP 0.82UF H 200V C863 TACC11035102T E 1000UF 35V C563 ECWF2364HBB PP 0.36UF H 200V C864 TACCC1E222MT E 220UF 25V C565 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C568 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C568 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C574 ECKD2H102KB5 C 1000PF K 500V C869 ECA1CHG331 E 330UF 16V C578 ECA1VHG470 E 47UF 35V C872 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C878 ECA1CHG101 E 100UF 16V C652 ECA2EHG100 E 10UF 160V C879 ECA1CHG101 E 10UF 16V C654 ECA2CHG100 E 10UF 160V C879 ECA1CHG101 E 10UF 16V C655 ECQV1H225UL P 2.2UF J 50V C880 ECA1CHG100 E 10UF 25V C655 ECQV1H225UL P 2.2UF J 50V C880 ECA1CHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C880 ECA1CHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C880 ECA1CHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C880 ECA1CHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C880 ECA1CHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C880 ECA1CHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C880 ECA1CHG100 E 10UF 50V C	C508	ECUX1E473KBX	C 0.047	UF K	25V	1		ECEA1CGE470	Ε	47UF		16V
C552 TACBN2333KT C 3300PF K 100V C859 ECA2EHG101 E 100UF 250V C553 ECWH20222HV PP 2200PF H 1.5KV C860 TACBK2A224MT C 0.22UF M 100V C554 ECWH20222HV PP 2200PF H 1.5KV C861 ECOS2EA221CB E 220UF 250V C555 ECQE2335KF P 3.3UF K 200V C862 TACCC2A471MB E 470UF 100V C561 ECWF2824HBB PP 0.82UF H 200V C863 TACTC2A471MB E 470UF 100V C563 ECWF2364HBB PP 0.82UF H 200V C863 TACTC2A2MT E 220UF 25V C563 ECWF2364HBB PP 0.36UF H 200V C864 TACCC1E222MT E 220UF 25V C566 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1CGE102 E 1000UF 16V C569 ECWF2154HBB PP 0.15UF H 200V C866 ECEA1EGE222 E 220UF 25V C574 ECKD2H102KB5 C 1000PF K 500V C869 ECA1CHG331 E 330UF 16V C578 ECA1VHG470 E 47UF 35V C879 ECUX1H103KBG C 0.01UF K 50V C874 ECA1HHG470 E 47UF 50V C601 ECQF6102JZ PP 1000PF J 600V C874 ECA1HHG470 E 47UF 50V C601 ECQF6102JZ PP 1000PF J 600V C874 ECA1HHG470 E 47UF 50V C601 ECQF6102JZ PP 1000PF J 600V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C878 ECA1CHG101 E 100UF 16V C652 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C655 ECQV1H225JL P 2.2UF J 50V C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V	C530	ECA2EHG2R2	E 2.2	:UF	250V		C855	ECA1EHG471	Ε	470UF		25 V
C553	C551	ECA1VHG101	E 100	UF	35V	1	C858	ECJ2VF1H1O4Z	C	0.1UF	Z	50 V
C553		1	C 3300	PF K	100V	1	C859	ECA2EHG101	E	100UF		250V
C554						1						
C554 ECWH20222HV	C553	ECWH20222HV	PP 2200	PF H	1.5KV	1	C860	l .	1		M	
C555		ECWH20222HV	PP 2200	PF H	1.5KV	1	C861	ECOS2EA221CB	E			
C561 ECWF 2824HBB PP 0.82UF H 200V C863 TAC11035102T E 1000UF 25V C563 ECWF 2364HBB PP 0.36UF H 200V C864 TACCC1E222MT E 2200UF 25V C865 ECWF 2154HBB PP 0.15UF H 200V C866 ECEA1CGE 102 E 1000UF 16V C568 ECWF 2154HBB PP 0.15UF H 200V C866 ECEA1CGE 102 E 1000UF 16V C569 ECWF 2154HBB PP 0.15UF H 200V C867 TACBK 24224MT C 0.22UF M 100V C569 ECWF 2154HBB PP 0.15UF H 200V C868 ECEA 1EGE 22 E 2200UF 25V C574 ECKD 2H102KB5 C 1000PF K 500V C869 ECA1CHG 331 E 330UF 16V C578 ECA1VHG 470 E 47UF 35V C872 ECUX 1C224KBW C 0.22UF K 16V C590 ECUX 1H103KBG C 0.01UF K 50V C874 ECA1HG 470 E 47UF 50V C875 TACCB 2331MA E 330UF 100V C802 ECQF 6392UZ PP 3900PF U 600V C875 TACCB 2331MA E 330UF 100V C865 ECA2 CHG 100 E 10UF 250V C878 ECA1HG 20 E 22UF S0V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C876 ECUX 1H103KBG C 0.01UF K 50V C878 ECA1CHG 101 E 100UF 16V C853 ECA2 CHG 100 E 10UF 160V C879 ECA1 EHG 470 E 47UF 25V C655 ECQV 1H225UL P 2.2UF J 50V C880 ECEA 1 EGE 220 E 22UF 25V C656 ECQV 1H225UL P 2.2UF J 50V C881 ECA1 HHG 100 E 10UF 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECUX 1H103KBG C 0.01UF K 50V C856 ECEA 1 EGE 220 E 22UF 25V C656 ECUX 1H103KBG C 0.01UF K 50V C856 ECEA 1 EGE 220 E 22UF 25V C656 ECUX 1H103KBG C 0.01UF K 50V C856 ECEA 1 EGE 220 E 22UF 25V C656 ECUX 1H103KBG C 0.01UF K 50V C856 ECEA 1 EGE 220 E 22UF 25V C656 ECUX 1 H103KBG C 0.01UF K 50V C856 ECEA 1 EGE 220 E 22UF 25V C656 ECUX 1 H103KBG C 0.01UF K 50V C856 ECEA 1 HGE 100 E 10UF 50V		1	P 3.3	UF K	200V	1	C862	TACCC2A471MB	Ε	470UF		100V
C563		1	1.				C863	TAC11035102T	Ε	1000UF		35 V
C565		4						TACCC1E222MT	E	2200UF		25 V
C567 ECWF 2185HBB PP 1.8UF H 200V C866 ECEA1CGE102 E 1000UF 16V C568 ECWF 2154HBB PP 0.15UF H 200V C867 TACBK2A224MT C 0.22UF M 100V C569 ECWF 2154HBB PP 0.15UF H 200V C868 ECEA1EGE222 E 2200UF 25V C574 ECKD2H102KB5 C 1000PF K 500V C869 ECA1CHG331 E 330UF 16V C578 ECA1VHG470 E 47UF 35V C872 ECUX1C224KBW C 0.22UF K 16V C590 ECUX1H103KBG C 0.01UF K 50V C874 ECA1HHG470 E 47UF 50V C601 ECQF6102UZ PP 1000PF J 600V C875 TACCB2A331MA E 330UF 100V C602 ECQF6392UZ PP 3900PF J 600V C876 ECUX1H103KBG C 0.01UF K 50V C876 ECUX1H103KBG C 0.01UF K 50V C852 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 250V C879 ECA1EHG470 E 47UF 25V C854 ECA2CHG4R7 E 4.7UF 160V C879 ECA1EHG470 E 47UF 25V C855 ECQV1H225UL P 2.2UF J 50V C880 ECEA1EGE220 E 22UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C880 ECEA1EGE20 E 22UF 55V C856 ECUX1H103KBG C 0.01UF K 50V C880 ECEA1EGE20 E 22UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C880 ECEA1EGE20 E 22UF 50V C856 ECQV1H225UL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V												
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C568		ECWF2185HBB	PP 1.8	UF H	200V	1	C866	ECEA1CGE102	Ε	1000UF		16 V
C569		ECWF2154HBB			200V	1	C867	TACBK2A224MT	C	0.22UF	М	100V
C574 ECKD2H102KB5 C 1000PF K 500V C869 ECA1CHG331 E 330UF 16V C575 ECKD2H102KB5 C 1000PF K 500V C870 ECA1CHG331 E 330UF 16V C578 ECA1VHG470 E 47UF 35V C872 ECUX1C224KBW C 0.22UF K 16V C590 ECUX1H103KBG C 0.01UF K 50V C874 ECA1HHG470 E 47UF 50V C601 ECQF6102JZ PP 1000PF J 600V C875 TACCB2A331MA E 330UF 100V C602 ECQF6392JZ PP 3900PF J 600V C876 ECUX1H103KBG C 0.01UF K 50V C651 ECEA1HGE4R7 E 4.7UF 50V C877 ECA1HHG220 E 22UF 50V C652 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 160V C879 ECA1EHG470 E 47UF 25V C654 ECA2CHG4R7 E 4.7UF 160V C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V								ECEA1EGE222	E	2200UF		25 V
C575						1		!				
C578					-	1						
C578	C575	ECKD2H102KB5	C 1000	PF K	500 V	ı	C870	ECA1CHG331	E	330UF		16V
C590			1.			1	C872	ECUX1C224KBW	c	0.22UF	K	16 V
C601 ECQF6102JZ PP 1000PF J 600V C875 TACCB2A331MA E 330UF 100V C802 ECQF6392JZ PP 3900PF J 600V C876 ECUX1H103KBG C 0.01UF K 50V C851 ECEA1HGE4R7 E 4.7UF 50V C877 ECA1HHG220 E 22UF 50V C852 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C853 ECA2CHG100 E 10UF 160V C879 ECA1EHG470 E 47UF 25V C854 ECA2CHG4R7 E 4.7UF 160V C880 ECEA1EGE220 E 22UF 25V C855 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V						1		ECA1HHG470	ļΕ			50 V
C602 ECQF6392JZ PP 3900PF J 600V C876 ECUX1H103KBG C 0.01UF K 50V C651 ECEA1HGE4R7 E 4.7UF 50V C877 ECA1HHG220 E 22UF 50V C852 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 160V C879 ECA1EHG470 E 47UF 25V C654 ECA2CHG4R7 E 4.7UF 160V C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C856 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V						ì			E	330UF		100 V
C651 ECEA1HGE4R7 E 4.7UF 50V C877 ECA1HHG220 E 22UF 50V C652 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 16OV C879 ECA1EHG470 E 47UF 25V C654 ECA2CHG4R7 E 4.7UF 16OV C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V	1 1	1				1	1		c		K	50 V
C652 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 160V C879 ECA1EHG470 E 47UF 25V C654 ECA2CHG4R7 E 4.7UF 160V C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V						1						
C652 ECA2EHG100 E 10UF 250V C878 ECA1CHG101 E 100UF 16V C653 ECA2CHG100 E 10UF 160V C879 ECA1EHG470 E 47UF 25V C654 ECA2CHG4R7 E 4.7UF 160V C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V	C651	ECEA1HGE4R7		'UF	50V		C877	ECA1HHG220	E	22UF		50 V
C653 ECA2CHG100 E 10UF 160V C879 ECA1EHG470 E 47UF 25V C654 ECA2CHG4R7 E 4.7UF 160V C880 ECEA1EGE220 E 22UF 25V C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V C882 ECEA1HGE100 E 10UF 50V E 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF 10UF		•	E 10			1		I .		100UF		16V
C654		1	E 10			1	1					25 V
C655 ECQV1H225JL P 2.2UF J 50V C881 ECA1HHG100 E 10UF 50V C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V			Ē 4			1	1					
C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V						1						
C656 ECUX1H103KBG C 0.01UF K 50V C882 ECEA1HGE100 E 10UF 50V							[1	· ·		. = .
C657 FCUX1H103KBG C 0.01UF K 50V C883 FC0B1H224UF P 0.22UF U 50V	C656	ECUX 1H103KBG	k 0.01	UF K	50V	1	C882	ECEA1HGE100	E	1 OUF		50 V
	C657	ECUX 1H103KBG	6 0.01		50V	1	C883	ECQB1H224JF		0.22UF	J	50 V

Ref.No.	Part No.		Desc	ription		Ref.No.	Part No.		Desc	riptio	n
C884	ECUX1H102KBN	С	1000PF	K	50V		ECUX1H103KBG	С	0.01UF	K	50\
C885	ECKD2H152KB5	c	1500PF	K	500V	C1212	TACCLOJ227MT	Ε	220UF		6.31
C886	ECUX1H222KBN	c	2200PF	K	50V		ECUX1H103KBG	c	0.01UF	K	501
2887	ECUX 1H68 1KBN	6	680PF	ĸ	50V	1 1	ECUX1H101JCG	č	100PF	Ĵ	-
2888		c	0.033UF	K	250V	1 1	ECUX1H1010CG ECUX1H103KBG	C			50
-888	I ACBUZE333KI	۲	0.0330F	K	250V	C1220	ECUXIMIOSKBG		0.01UF	K	50\
889		Р	0.68UF	K	200V	1 1	ECA1HEN4R7	Ε	4.7UF		50
	ECEA1HGE4R7	Ε	4.7UF		50 V	C1222	ECUX1H103KBG	С	0.01UF	K	501
2891	TAC1102A331T	E	330UF		100V	C1230	ECUX1H103KBG	C	0.01UF	K	50
2893	ECUX1H561JCX	c	560PF	J	50V		ECEA1EGE100	E	10UF		25
	ECJ2VF1H104Z	c	0.1UF	Ž	50V	E I	ECUX1H103KBG	c	0.01UF	K	50\
0896	ECUX1E104KBX	c	0.1UF	к	25V	C1233	ECUX1H103KBG	c	0.01UF	К	50\
	ECUX1H472KBM	6	4700PF	ĸ	50V	C1234	ECJ2VF1C105Z	F	1UF	ż	16
	ECA2EHG470	_	47UF	1	250V						
		_				1 1	ECUX1H68OGCG		68PF	G	501
	ECUX1E104KBX	C	0.1UF	K	25V	I I	ECUX1H150GCN	C	15PF	G	501
0902	ECUX1H104ZFW	С	0.1UF	Z	50 V	C1250	TACBN2A102KT	С	1000PF	K	100\
01011	ECUX1H103KBG	c	0.01UF	K	50V	C1251	TACBN2A103KT	С	0.01UF	κ	100\
01012	TACCLOJ227MT	E	220UF		6.3V	C1252	ECEA2AGE100	Ε	10UF		100\
	ECUX1H103KBG	c	0.01UF	κ	50V		TACBH2A474MT	r	0.47UF	M	100\
	ECUX 1H101 JCG	Ĕ	100PF	J	50V	1 1	TACBJ2H222KT	$\tilde{}$			
_		\sim				1	4	_	2200PF	K	500\
01020	ECUX1H103KBG	С	0.01UF	K	50 V	C1265	TACBG2E683KT	С	0.068UF	K	250\
		E	4.7UF		50V	2 1	ECEA2CGEO10	Ε	1UF		160\
	ECUX1H103KBG	C	0.01UF	K	50V		ECUX1H47OJCG	С	47PF	J	50\
1030	ECUX1H103KBG	C	0.01UF	K	50V	C1268	ECUX1H100CCN	С	10PF	С	50\
	ECEA1EGE100	E	10UF		25V		TACCL1C476MT	E	47UF	-	16\
	ECUX1H103KBG	5	0.01UF	ĸ	50V		ECUX1H103KBG	C	_	v	
1032	LUUXINIUSKBG	_	0.010	Α.	50 v	1 1304	ECOVIUIOSKRG		0.01UF	Κ	50\
	ECUX1H103KBG	C	0.01UF	K	50V		ECUX1H103KBG	c	0.01UF	K	50\
1034	ECJ2VF1C105Z	C	1UF	Z	16V	C1310	TACCL1C476MT	E	47UF		16\
1041	ECUX1H68OGCG	c	68PF	G	50V		TACCL1H105MT	Ε	1UF		50\
	ECUX1H150GCN	c	15PF	Ğ	50V	1 !	ECEA1HGE100	Ē	10UF		50
_	ECUX 1HO4OCCN	č	4PF	C	50V	1	ECJ2VF1H1O4Z	c	0.1UF	z	50 V
C1050	TACBN2A102KT	L	1000PF	v	1004	1 01000	ECEA1005430	_	47115		4~.
		C		K	100V		ECEA1CGE470	E	47UF		16\
		С	0.01UF	K	100V		ECUX1H103KBG	С	0.01UF	K	501
	ECEA2AGE100	Ε	10UF		100V		ECA1HHG100	Ε	10UF		50 V
1053	TACBH2A474MT	c	0.47UF	M	100V	C1323	ECUX1H103KBG	c	0.01UF	K	50 V
1055	TACBJ2H222KT	С	2200PF	Κ	500V		ECEA1CGE471	E	470UF		16 V
01065	TACBG2E683KT	c	0.068UF	K	250V	C1327	ECUX1H103KBG	С	0.01UF	ĸ	501
	ECEA2CGEO10	Ε	1UF		160V	1 1	ECEA1CGE471	E	470UF	. •	161
	ECUX 1H47OJCG	F	47PF	J	500	1 1	ECEA1AGE101	E			
		Ľ				1 1			100UF		10\
C1068 C1111	ECUX1H100CCN ECUX1H103KBG	C	10PF 0.01UF	C K	50V 50V		ECEA1AGE101 ECJ2VF1E224Z	E	100UF 0.22UF	z	10 V 25 V
				1					0.220	_	25 \
	TACCLOJ227MT		220UF		6.3V		ECUX1H103KBG	1	0.01UF	K	501
	ECUX1H103KBG		0.01UF	K	50 V			Ε	47UF		16\
21114	ECUX1H101JCG	C	100PF	U	50 V	C1335	ECEA1CGE470	Ε	47UF		16 V
	1	c	0.01UF	ĸ	50 V			E	47UF		16 \
	1	E	4.7UF		50V		(c	2.2UF	Z	16 V
1122	ECUX1H103KBG	c	0.01UF	к	50V	C1342	ECEA2AGE22O	Ε	22UF		1001
	1	c	0.01UF	ĸ	50V			c	1000PF	v	
		Ę		^		1		4		K	50 V
	ECEA1EGE100	٥	10UF		25V	1		C	0.1UF	Z	50 V
		C	0.01UF	K	50 V			E	10UF		25 V
1133	ECUX1H103KBG	С	0.01UF	K	50V	C1348	ECEA2CGE100	E	10UF		160 V
21134	ECJ2VF1C105Z	c	1UF	z	16V	C1349	TCUX1C225ZFN	c	2.2UF	z	16 V
21141	ECUX1H680GCG	C	68PF	G	50 V	C1351	TACBJ2H222KT	c	2200PF	K	500 V
	ECUX1H150GCN		15PF	Ğ	50V			c	1000PF	ĸ	500 V
	1	c	3PF	č	50V			c	100PF	K	
	,	c	1000PF	ĸ	100V		ECKD3D272KBP	c	2700PF	K	500 V 2K V
	TACRNOA 40007		0.0405	10							
		C	0.01UF 0.47UF	K M	100V 100V	1 1		C C	2200PF 2200PF	K K	630-V
	l .					5 L					-
	1	C	2200PF	K	500V			С	2200PF	ĸ	630 V
.1165	1	C	0.068UF	K	250V	t i	· ·	С	11PF	J	500 V
	ECEA2CGEO10	Ε	1UF		160V	I IC1370	TACBJ2H102KT	С	1000PF	K	500 V
1166	LCLAZCGLOTO	Γ						l			
	ECUX1H47OJCG		47PF	J	50V		ECUX1H221KBN	С	220PF	ĸ	50 V

Ref.No.	Part No.		Descri	ptio	ו	Ref.No.	. Part No.		Descri	ptio	n
C1391	TACBG2E683KT	С	0.068UF	K	250V	J1301	ERD25TCO	000	O OHM		1/4W
C1402	ECUX1H223KBX	c	0.022UF	K	50V	J1302	ERD25TCO	C	O OHM		1/4W
C1403	ECJ2VF1E224Z	c	0.22UF	Z	25V	J1321	ERD25TCO	lc.	O OHM		1/4W
	ECUX1H221KBN	C	220PF	ĸ	50V		ERJ6GEYOROO	м	O DHM		1/10W
_	}		-		-	1 1	i .	- 1			
C1405	ECUX1H104KBW		0.1UF	K	50V	L1056	ERJ8GCYOROO	M	O OHM		1/8W
C1406	ECEA1AGE101	E	100UF		10V	L1156	ERJ8GCYOROO	м	O OHM		1/8W
	ECUX1H22OJCN	C	22PF	J	50V	1 1256	ERJ8GCYOROO	M	о онм		1/8W
	ECJ2VF1C105Z	~	1UF	ž	16V	R10	ERDS2TJ101	c	100 DHM	J	1/4W
		_		_				- 1			
	ECEA1EGE100	Ε	1 OUF		25V	R11	ERJ6ENF 1002	M	10K OHM	F	1/10W
C1412	ECEA1HGE3R3	E	3.3UF		50V	R12	ERJ6ENF4703	М	470K DHM	F	1/10W
C1414	ECEA1HGE3R3	E	3.3UF		50V	R13	ERJ6ENF1052	М	10.5K OHM	F	1/10W
						R14	ERJ6ENF3301	М	3.3K OHM	F	1/10W
	RESISTORS					R15	ERG2SJ183	М	18K OHM	Ú	2W
	1123131313					R16	ERJ6ENF2320	М	232 OHM	F	1/10W
04000		L.	0.01114		. /			1			
	ERJ6GEYOROO	M	O OHM		1/10W	R18	ERG1SJ273	М	27K OHM	J	1 W
C1203	ERJ6GEYOROO	M	O OHM		1/10W						
C1353	ERJ8GCYOROO	M	O OHM		1/8W	R19	ERJ6ENF4702	М	47K OHM	F	1/10W
	ERJ6GEYOROO	М	O OHM		1/10W	R20	ERJ6ENF4702	м	47K OHM	F	1/10W
		М	O OHM		1/10W	1 1	ERJ6GEYOROO	M	O OHM	'	1/10W
0001	ERJ6GEYOROO	IVI	الااتان ن		1/ 10W	R22		1	•		
		L.				R23	ERJ6GEYJ105	М	1M OHM	J	1/10W
	ERJ6GEYOROO	М	O OHM		1/10W	R24	ERJ6ENF4703	М	470K DHM	F	1/10W
J603	ERJ6GEYOROO	M	O OHM		1/10W						
	ERJ6GEYOROO	M	O DHM		1/10W	R25	ERJGENF 1000	М	100 OHM	F	1/10W
	ERJ6GEYOROO	м	O DHM		1/10W	R26	ERJ6GEYJ333	М	33K OHM	·	1/10W
	t .	М			1/10W			1		-	*
J606	ERJ6GEYOROO	IVI	O OHM		17 TOW	R31	ERJ6GEYJ102	М	1K OHM	J	1/10W
	1	1				R32	ERJ8GCYK2R7	М	2.7 OHM	K	1/8W
	ERJ6GEYOROO	М	O DHM		1/10W	R33	ERG1SJ100	М	10 OHM	J	1 W
J608	ERJ6GEYOROO	м	O OHM		1/10W	1		1			
	ERJ6GEYOROO	м	O DHM		1/10W	R51	ERJ6GEYJ102	м	1K OHM	J	1/10W
	1				• .	1		- 1			
	ERJ6GEYOROO	М	O DHM		1/10W	R52	ERJ6GEYJ102	М	1K OHM	J	1/10W
J701	ERJ8GCYOROO	М	O OHM		1/8W	R53	ERJ6GEYJ102	M	1K OHM	J	1/10W
						R55	ERJ6GEYJ102	M	1K OHM	J	1/10W
J702	ERJ8GCYOROO	М	O OHM		1/8W	R56	ERJ6GEYJ102	М	1K OHM	J	1/10W
	ERJ8GCYOROO	М	O DHM		1/8W					•	.,
	ERJ8GCYOROO	М	O DHM		1/8W	R58	ED.IEGEV.HOO	м	4 L OUN	,	1/10W
-	1	1 .					ERJ6GEYJ102		1K OHM	ن	
	ERJ8GCYOROO	М	OOHM		1/8W	R104	ERJ6GEYJ222	М	2.2K OHM	J	1/10W
J706	ERJ8GCYOROO	М	O OHM		1/8W	R105	ERJ6GEYJ222	M	2.2K OHM	J	1/10W
		1				R109	ERJ6GEYJ103	M	10K DHM	J	1/10W
J707	ERJ8GCYOROO	М	O OHM		1/8W	R110	ERJ6GEYJ103	м	10K DHM	Ū	1/10W
J708	ERJ8GCYOROO	М	O OHM		1/8W	1 1		[]		-	.,
J708 J709	ERJ8GCYOROO	М	O DHM		1/8W	R111	ED.IGGEV.HEO	м	1 EV OUM	. 1	1/10W
		1					ERJ6GEYJ152	1 -	1.5K OHM	J	
J710	ERJ8GCYOROO	М	O OHM		1/8W	R112	ERJ6GEYJ122	М	1.2K OHM	J	1/10W
J712	ERJ8GCYOROO	М	O OHM		1/8W	R115	ERJ6GEYOROO	М	O DHM		1/10W
		1				R120	ERJ6GEYJ272	М	2.7K DHM	ل	1/10W
J713	ERJ8GCYOROO	М	O DHM		1/8W	R121	ERJ6GEYJ822	М	8.2K DHM	Ū	1/10W
	ERJ8GCYOROO	М	O DHM		1/8W	1 ["		["	J. 21. OI 114	v	.,
						1 200	ED ICCENTION		4 04 014-		1/200
	ERJ8GCYOROO	М	O OHM		1/8W	R123	ERJ6GEYJ122	М	1.2K OHM	J	1/10W
	ERU8GCYOROO	М	O DHM		1/8W	R124	ERJ6GEYJ392	М	3.9K DHM	J	1/10W
J717	ERU8GCYOROO	М	O DHM		1/8W	R125	ERJ6GEYJ335	м	3.3M OHM	J	1/10W
	1					R127	ERJ6GEYOROO	М	O OHM		1/10W
J718	ERJ8GCYOROO	М	O DHM		1/8W	R131	ERJ6GEYJ272	М	2.7K OHM	J	1/10W
	1		-			1 17131	LRUUGE 1UZ/Z	1*1	2./N UNIVI	U	17 10W
	ERJ8GCYOROO	М	O DHM		1/8W	1 L		1.			
	ERJ8GCYOROO	М	OOHM		1/8W	R132	ERJ6GEYJ272	М	2.7K OHM	J	1/10W
J722	ERJ8GCYOROO	М	O OHM		1/8W	R133	ERJ6GEYOROO	M	O OHM		1/10W
J724	ERJ8GCYOROO	М	O OHM		1/8W	R134	ERJ6GEYOROO	М	O OHM		1/10W
'		1	5 511		., -,	R135	ERJ6GEYJ471	м	470 OHM	J	1/10W
1705	ED IOCCYCDOS	NA.	0.0184		4 /014		1	1 '			
	ERJ8GCYOROO	М	O DHM		1/8W	R136	ERJ6GEYJ101	М	100 DHM	J	1/10W
	ERJ8GCYOROO	М	O DHM		1/8W	1					_
J727	ERJ8GCYOROO	М	O OHM		1/8W	R137	ERJ6GEYJ101	М	100 DHM	J	1/10W
J729	ERU8GCYOROO	M	O OHM		1/8W	R140	ERJ6GEYJ103	М	10K OHM	Ū	1/10W
J730	ERUSGCYOROO	м	O DHM		1/8W	R141	ERJ6GEYJ103	М	10K DHM	J	1/10W
- , 30	LINOUGUI OROU	1"	O Univi		1/0#	1 1	1	1 .			
		L	<u> </u>		. /=	R142	ERJ6GEYJ103	М	10K DHM	J	1/10W
J731	ERJ8GCYOROO	М	O OHM		1/8W	R145	ERJ6GEYJ103	М	1 OK OHM	J	1/10W
J732	ERJ8GCYOROO	М	O OHM		1/8W	1					
J733	ERJ8GCYOROO	М	O OHM		1/8W	R146	ERJ6GEYJ103	М	10K OHM	J	1/10W
	1					1 1		- 1			
734	ERJ8GCYOROO	М	O DHM		1/8W	R149	ERJ6GEYJ183	М	18K DHM	Ų	1/10W
J735	ERJ8GCYOROO	М	OOHM		1/8W	R150	ERJ6GEYJ222	M	2.2K OHM	J	1/10W
		1				R151	ERJ6GEYJ222	М	2.2K OHM	j	1/10W
. 7	ERJ8GCYOROO	М	O OHM		1/8W	R152	ERJ12YJ471	м	470 OHM	Ĵ	1/2W
<i>)</i> / : < \(\)	l .	- 1			1/8W	1 132		1.,	-70 Onivi	J	1 / Z N
	ED. IOCCVADAA						i	1			
J736 J737 J738	ERJ8GCYOROO ERJ8GCYOROO	M	O OHM O OHM		1/8W	R153	ERJ6GEYJ222	М	2.2K OHM	J	1/10W

	. Part No.		Desci	ripti	on	Ref.No	Part No.		Descri	ptio	n
R155	ERJ6GEYJ472	М	4.7K OHM	_		R372	ERJ8GCYJ475	М	4.7M OHM	J	1/81
R156	ERJ6GEYJ472	M	4.7K OHM	J	1/10W	R373	ERJ8GCYJ683	M	68K OHM	J	1/81
R162	ERJ6GEYJ152	M	1.5K OHM	J	1/10W	R374	ERJ8ENF1101	М	1.1K OHM	F	1/81
R163	ERJ6GEYJ683	М	68K OHM		* .	R375	ERJ6GEYJ472	М	4.7K OHM	J	1/10
R164	ERJ6GEYJ102	М	1K OHM		* .	R380	ERD25FJ102K	c	1K OHM	Ĵ	1/41
			_								•
R165	ERJ6GEYOROO	М	O DHM		1/10W	R381	ERJ6ENF2051	М	2.05K OHM	F	1/10
R170	ERJ6ENF2202	M	22K DHM		1/10W	R382	ERJ6ENF6982	М	69.8K OHM	F	1/10
R171	ERJ6ENF5622	М	56.2K DHM	l F	1/10W	R384	ERJ6ENF2871	M	2.87K OHM	F	1/10
R172	ERJ6ENF5622	М	56.2K OHM	l F	1/10W	R385	ERJ8GCYJ121	M	120 OHM	J	1/81
R173	ERJ6ENF6802	М	68K DHM	l F	1/10W	R386	ERG3FJ103	М	10K OHM	J	31
R174	ERJ6GEYJ270	м	27 OHM	IJ	1/10W	R387	ERJ8GCYJ302	М	зк онм	J	1/81
R175	ERJ6GEYJ270	М	27 OHM	J	1/10W	R389	ERJ8GCYJ102	М	1K OHM	J	1/81
R177	ERJ6GEYOROO	M	O DHM		1/10W	R390	ERJ6ENF 1071	М	1.07K OHM	F	1/10
R188	ERJ6GEYJ103	М	10K DHM			R391	ERJ6GEYJ103	М	10K DHM	·	1/10
R191	ERJ6GEYJ271	м	270 OHM	-	· · · · · ·	R392	ERJ6GEYJ562	М	5.6K OHM	J	1/10
					,						-
R192	ERJ6GEYJ271	M	270 DHM	-	•	R393	ERG1SJ273	M	27K OHM	J	1/10
R193	ERJ6GEYJ471	М	470 DHM			R407	ERJ6ENF2702	М	27K OHM	F	1/10
R194	ERJ6GEYJ222	М	2.2K DHM	_	* . *	R425	ERDS2TJ182	C	1.8K OHM	J	1/41
R195	ERJ6GEYJ222	M	2.2K OHM	l J		R440	ERJ6GEYJ103	М	10K DHM	J	1/101
R196	ERJ6GEYJ471	М	470 OHM	l J	1/10W	R441	ERJ6GEYJ103	М	10K DHM	J	1/10
											•
R197	ERJ6GEYJ103	М	10K DHM			R442	ERJ6GEYJ332	М	3.3K OHM	J	1/101
R200	ERJ6GEYJ471	М	470 OHM			R480	ERJ6ENF1742	М	17.4K OHM	F	1/101
R201	ERJ6GEYJ101	M	100 OHM		.,	R481	ERJ6ENF2941	М	2.94K OHM	F	1/101
R204	ERJ6GEYJ471	М	470 OHM	l J		R482	ERDS1FJ1R2	c	1.2 OHM	J	1/2
R205	ERJ6GEYJ101	М	100 DHM	J	1/10W	R483	ERD\$1FJ1R2	C	1.2 OHM	J	1/2
R208	ERJ6GEYJ471	м	470 OHM	l J	1/10W	R484	EROS2CKF1202	м	12K DHM	F	1/4
R209	ERJ6GEYJ471	М	470 OHM			R485	ERJ6GEYJ122	М	1.2K OHM	Ù	1/10
R210	ERJ6GEYJ472	М	4.7K OHM			R486	ERJ6ENF1872	М	18.7K OHM	F	1/10
_		F .	4.7K UHW		1/10W		ERDS2TJ1RO	C	18.7K UMM 1 OHM	J	1/41
R213 R214	ERJ6GEYOROO ERJ6GEYOROO	M M			1/10W	R487 R488	ERX1SG1R2	M	1.2 OHM	G	1/4
		["									
R221	ERJ6GEYOROO	М	O OHM		1/10W	R489	ERX1SG1R8	М	1.8 OHM	G	1 1
R222	ERJ6GEYJ103	М	10K OHM			R501	ERX2SJ3R3	М	3.3 OHM	J	21
R223	ERJ6GEYJ123	м	12K OHM	i J	1/10W	R502	ERG1SJ390	М	39 OHM	J	1 1
R224	ERJ6GEYJ563	М	56K OHM	١J	1/10W	R503	ERJ6GEYJ472	М	4.7K OHM	J	1/101
R240	ERJ6GEYJ271	М	270 OHM	ا ا	1/10W	R504	ERJ6GEYJ153	М	15K OHM	J	1/101
R241	ERJ6GEYJ271	м	270 OHM	ı J	1/10W	R505	ERX2SJ3R3	М	3.3 OHM	J	21
R242	ERJ6GEYJ222	М	2.2K OHM			R506	ERD25FJ153K	С	15K OHM	Ũ	1/41
R243	ERJ6GEYJ222	м	2.2K OHM			R507	ERJ6GEYJ392	M	3.9K OHM	J	1/101
	1	M	2.2K UHW		1/10W	R507	ERJ6GEYJ102	M	1K DHM	J	1/101
R250 R255	ERJ6GEYOROO ERJ6GEYJ272	M	2.7K OHM			R508	ERJ6GEYJ472	M M	4.7K OHM	J	1/10
					, -						•
R256 R257	ERJ6GEYJ121 ERJ6GEYJ222	M	120 OHM 2.2K OHM			R527 R530	ERJ6GEYOROO ERQ12AJ27O	M	O DHM 27 DHM	J	1/10
						1 1		NA.			
R258	ERJ6GEYJ561	М	560 OHM			R531	ERJ12YJ5R6	М	5.6 OHM	J	1/21
R261	ERJ6GEYJ683	М	68K OHM			R532	ERJ12YJ5R6	М	5.6 OHM	J	1/21
R275	ERJ6GEYJ223	М	22K OHM	1 J	1/10W	R542	ERJ6ENF5601	М	5.6K OHM	F	1/101
	1	ha	22K OHM			R543	ERJ6ENF6491	М	6.49K OHM	F	1/101
R276	ERJ6GEYJ223	М		1 J	4/4004		ERJ6ENF 1502	М	15K OHM	F	1/10
	ERJ6GEYJ223 ERJ6GEYJ152	M	1.5K OHM			R544	ERUGENT 1302	1			
R280	1 -	1	1.5K OHM 100K OHM			R544 R545	ERG3FJ470	м	47 OHM	J	3 1
R280 R281	ERJ6GEYJ152 ERJ6GEYJ104	М		ı J	1/10W	R545	1)	47 OHM 47 OHM	J J	
R280 R281 R282	ERJ6GEYJ152	M	100K DHM	1 J	1/10W		ERG3FJ470	М			3 '
R280 R281 R282 R283	ERJ6GEYJ152 ERJ6GEYJ104 ERJ6GEYJ102 ERJ6GEYOROO	M M M M	100K DHM 1K DHM 0 DHM	1 J 1 J	1/10W 1/10W 1/10W	R545 R546 R547	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470	223	47 OHM 47 OHM	J	3 ¹ 1/10 ¹
R280 R281 R282 R283 R284	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO	<u> </u>	100K DHM 1K DHM 0 DHM	1 J	1/10W 1/10W 1/10W	R545 R546 R547	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332	2 2 3 3	47 OHM 47 OHM 3.3K OHM	J	3 t 1/10 t 1/10 t
R280 R281 R282 R283 R284 R285	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYOROO ERJGGEYJ102	EEEE EE	100K 0HM 1K 0HM 0 0HM 0 0HM 1K 0HM	1 J	1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561	223	47 OHM 47 OHM 3.3K OHM 560 OHM	JJJ	31/101 1/101 1/101
R280 R281 R282 R283 R284 R284 R285 R286	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ102	X	100K OHM 1K OHM 0 OHM 0 OHM 1K OHM 560 OHM		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549 R550	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47	555 55 F	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM	7 7 7	3' 1/10' 1/10' 1/2'
R280 R281 R282 R283 R284 R285 R286 R291	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYOROO ERJGGEYJ102	EEEE EE	100K 0HM 1K 0HM 0 0HM 0 0HM 1K 0HM		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561	2 2 3 3	47 OHM 47 OHM 3.3K OHM 560 OHM	JJJ	3' 1/10' 1/10' 1/2' 1/2'
R280 R281 R282 R283 R284 R285 R291 R292	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ1561 ERJGGEYJ223 ERJGGEYJ223	X X X X X X X X X X X X X X X X X X X	100K OHN 1K OHN 0 OHN 1K OHN 560 OHN 22K OHN		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549 R550 R551 R552	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D	252 Z242	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM	, , , , , , , , , , , , , , , , , , ,	3' 1/10' 1/10' 1/2' 1/2' 3'
R280 R281 R282 R283 R284 R285 R286 R291 R292	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ1561 ERJGGEYJ223 ERJGGEYJ223	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100K OHM 1K OHM 0 OHM 1K OHM 560 OHM 22K OHM 22K OHM		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549 R550 R551 R552	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM 1.8 OHM		31 1/101 1/101 1/21 1/21 31 31
R280 R281 R282 R283 R284 R285 R286 R291 R292	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ1561 ERJGGEYJ223 ERJGGEYJ223 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102	<u> </u>	100K OHN 1K OHN 0 OHN 1K OHN 1K OHN 22K OHN 22K OHN 1K OHN 1K OHN		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549 R550 R551 R552 R554 R555	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D ERX3FJX6R8D ERX3FJX6R8D	255 25455 50	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM 1.8 OHM 6.8 OHM 0 OHM	ר ניניני ני	31 1/101 1/101 1/21 1/21 31 31 1/41
R 280 R 281 R 2283 R 2283 R 2284 R 2285 R 2292 R 2292 R 2294 R 2294 R 2294 R 2294 R 2294 R 2294 R 2294 R 2294 R 2295	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ223 ERJGGEYJ223 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102	<u> </u>	100K OHN 1K OHN 0 OHN 1K OHN 560 OHN 22K OHN 22K OHN 1K OHN 1K OHN 33 OHN		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549 R550 R551 R552 R554 R555 R560	ERG3FJ470 ERG3FJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D ERX3FJX6R8D ERD25TCO ERJ6GEYJ472	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM 1.8 OHM 6.8 OHM 0 OHM 4.7K OHM	נ ניניני ני	31 31 1/101 1/101 1/21 31 31 1/41 1/101
R280 R281 R2282 R2283 R2284 R2285 R2286 R2292 R2292 R2292 R2293 R2353	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYOROO ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ223 ERJGGEYJ223 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102	EEEE EEEEE	100K OHN 1K OHN 0 OHN 1K OHN 560 OHN 22K OHN 22K OHN 1K OHN 1K OHN 1K OHN		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R5555 R5551 R5555 R55560 R5560 R561	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D ERX3FJX6R8D ERD25TCO ERJ6GEYJ472 ERJ6GEYJ100	XXX XX XX X X X X X X X X X X X X X X	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM 1.8 OHM 6.8 OHM 0 OHM 4.7K OHM 10 OHM	ר ניניני ני	31 1/101 1/101 1/21 1/21 31 31 1/41 1/101 1/101
R280 R281 R2282 R2283 R2284 R2285 R2286 R2292 R2292 R2292 R2293 R2353	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYJ102 ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ223 ERJGGEYJ223 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102	<u> </u>	100K OHN 1K OHN 0 OHN 1K OHN 560 OHN 22K OHN 22K OHN 1K OHN 1K OHN 33 OHN		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R545 R546 R547 R548 R549 R550 R551 R552 R554 R555 R560	ERG3FJ470 ERG3FJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D ERX3FJX6R8D ERD25TCO ERJ6GEYJ472	SEE SEHEE SUS	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM 1.8 OHM 6.8 OHM 0 OHM 4.7K OHM	נ ניניני ני	3' 1/10' 1/10' 1/10' 1/2' 1/2' 3' 3' 1/4' 1/10' 1/10'
76012883 456612 3440345 55888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 788888 78888 78888 78888 78888 78888 78888 78888 788888 78888 788888 78888 78888 78888 78888 78888 78888 78888 78888 78888 78888 788	ERJGGEYJ152 ERJGGEYJ104 ERJGGEYOROO ERJGGEYOROO ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ223 ERJGGEYJ223 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102 ERJGGEYJ102	EEEE EEEEE	100K OHN 1K OHN 0 OHN 1K OHN 560 OHN 22K OHN 22K OHN 1K OHN 1K OHN 1K OHN		1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/2W 1/2W	R545 R546 R547 R548 R5555 R5551 R5555 R55560 R5560 R561	ERG3FJ470 ERG3FJ470 ERJ6GEYJ470 ERJ6GEYJ332 ERG2SJ561 ERQ12AJR47 ERX3FJX1R8D ERX3FJX1R8D ERX3FJX6R8D ERD25TCO ERJ6GEYJ472 ERJ6GEYJ100	XXX XX XX X X X X X X X X X X X X X X	47 OHM 47 OHM 3.3K OHM 560 OHM 0.47 OHM 1.8 OHM 1.8 OHM 6.8 OHM 0 OHM 4.7K OHM 10 OHM	רנ נ נננננ ננ	31 1/101 1/101 1/21 1/21 31 31 1/41

Ref.No.	Part No.		Descript	tior	ı	Ref.No.	Part No.		Descri	otio	n
R569	ERJ6GEYJ472	2220	4.7K OHM 10 OHM	J J J J	1/10W 1/10W 1/10W 1/2W	R849 R850 R853 R854	ERDS2TJ122 ERJ6GEYJ102 ERJ6GEYJ271 ERJ6GEYJ820	0 2 2 2	1.2K OHM 1K OHM 27O OHM 82 OHM	J J	1/4W 1/10W 1/10W 1/10W
1 1	ERQ12AJ271 ERJ6GEYJ562 ERJ6GEYJ562	FXX	270 DHM 5.6K DHM	J J	1/2W 1/10W 1/10W	R855 R856 R857	ERJ6GEYJ102 ERA6YEB104 ERA6YEB302	S S S	1K OHM 100K OHM 3K OHM	J B B	1/10W 1/10W 1/10W
R597 R602 R603	ERJ6GEYJ562 ERX1SJR33 ERX1SJR39	2	5.6K DHM 0.33 DHM	j J	1/10W 1W 1W	R858 R859 R860	ERJ6GEYJ102 ERD25FJ391K ERJ6GEYJ103	EUE	1K DHM 390 DHM 10K DHM	J	1/10W 1/4W 1/10W
R604 R605 R606 R648 R649	TARRS5B101J2 TARRS5B101J2 ERJ6GEYJ220 ERJ6ENF8060 ERJ6GEYOROO	2222	100 DHM 22 DHM	J J F	5W 5W 1/10W 1/10W 1/10W	R861 R862 R863 R864 R865	ERQ12AJR33HK TAR14CJOR15V ERQ12AJR47 ERQ12AJR12HK ERQ12AJR12HK	F Z F F F	0.33 OHM 0.15 OHM 0.47 OHM 0.12 OHM 0.12 OHM))))	1/2W 1/2W 1/2W 1/2W 1/2W
R650 R651 R652 R653 R655	ERJ8GCYOROO ERQ14AJ100 ERQ14AJR47HK ERQ14AJR47HK ERJ8ENF5231	5 + + + 5	0.47 OHM 0.47 OHM	J J F	1/8W 1/4W 1/4W 1/4W 1/8W	R866 R867 R868 R869 R870	ERQ12AJR12HK ERJ6GEYJ104 ERQ12AJR47 ERD25FJ471K ERDS1FJ224	F X F O O	0.12 DHM 100K DHM 0.47 DHM 470 DHM 220K DHM	7 7 7 7	1/2W 1/10W 1/2W 1/4W 1/2W
R656 R657 R658 R660 R671	ERJ6GEYJ223 ERJ6ENF3162 ERJ6ENF1002 ERJ6GEYJ270 EROS2CKF1333	2222		J ff F J F	1/10W 1/10W 1/10W 1/10W 1/4W	R871 R872 R873 R874 R875	ERJ6GEYJ183 ERJ6ENF1822 ERJ6ENF4222 ERJ6GEYJ101 ERJ6GEYJ102	M M M M	18K OHM 18.2K OHM 42.2K OHM 100 OHM 1K OHM	J F F J J	1/10W 1/10W 1/10W 1/10W 1/10W
R672 R673 R680 R682 R683	EROS2CKF1433 ERDS2TJ474 ERJ6GEYJ153 ERJ6GEYJ221 ERJ6GEYJ562	20222	143K OHM 470K OHM 15K OHM 220 OHM 5.6K OHM	ドレンフフ	1/4W 1/4W 1/10W 1/10W 1/10W	R876 R877 R878 R879 R880	ERJ6GEYJ562 ERJ6GEYJ753 ERG1SJ683 ERJ8GCYJ332 EROS2CKF1211	E 	5.6K OHM 75K OHM 68K OHM 3.3K OHM 1.21K OHM	ひひひりを	1/10W 1/10W 1W 1/8W 1/4W
R684 R685 R687 R720 R721	ERJGENF1002 ERJGENF2372 ERJGGEYJ333 ERJGGEYJ682 ERJGGEYJ164	2222	10K DHM 23.7K DHM 33K DHM 6.8K DHM 160K DHM	FFJJJ	1/10W 1/10W 1/10W 1/10W 1/10W	R881 R882 R883 R884 R885	ERJ6ENF 1821 ERJ6ENF 4531 ERJ6GEYJ103 ERJ6ENF 6041 ERJ6ENF 3741	2222	1.82K DHM 4.53K DHM 10K DHM 6.04K DHM 3.74K DHM	F F J F F	1/10W 1/10W 1/10W 1/10W 1/10W
R722 R801 R820 R821 R822	ERJ6GEYJ182 ERC12AGK105 ERJ6GEYJ563 ERF2EKR22 TARRS3B104J2	5 W Z 3 Z	1.8K OHM 1M OHM 56K OHM 0.22 OHM 100K OHM	J K J K J	1/10W 1/2W 1/10W 2W 3W	R886 R887 R888 R889 R890	ERU6GEYJ103 ERU6GEYJ103 ERU6GEYJ103 ERU6GEYJ391 ERX2SJ1R0	23333	10K DHM 10K DHM 10K DHM 390 DHM 1 DHM		1/10W 1/10W 1/10W 1/10W 2W
R823 R824 R825 R826 R827	ERJ6GEYJ103 ERJ6ENF1211 ERJ6GEYJ682 ERJ6ENF7152 ERDS1FJ394	22250	10K DHM 1.21K DHM 6.8K DHM 71.5K DHM 390K DHM	J F J F J	1/10W 1/10W 1/10W 1/10W 1/2W	R891 R892 R893 R894 R895	ERJ6GEYJ103 ERJ6ENF4420 ERDS1FJ224 ERJ6GEYJ102 ERJ6GEYJ101	22022	10K DHM 442 DHM 220K DHM 1K DHM 100 DHM	J F J J	1/10W 1/10W 1/2W 1/10W 1/10W
R828 R829 R830 R831 R832	ERDS1FJ394 ERJ8GCYJ223 ERJ6GEYJ273 ERD25FJ560K ERJ6GEYJ220	02202	390K DHM 22K DHM 27K DHM 56 DHM 22 DHM	7 7 7 7	1/2W 1/8W 1/10W 1/4W 1/10W	R896 R897 R898 R899 R902	ERJ6GEYJ332 ERJ6GEYJ225 ERJ6ENF2001 ERJ6GEYJ103 ERJ6GEYJ103	2225	3.3K OHM 2.2M OHM 2K OHM 10K OHM 10K OHM	J F J J	1/10W 1/10W 1/10W 1/10W 1/10W
R833 R834 R835 R836 R837	ERD25FJ223K ERJ8GCYJ222 ERJ8GCYJ222 ERG3FJ820 ERJ6ENF1400	02222	22K OHM 2.2K OHM 2.2K OHM 82 OHM 140 OHM	JJJJF	1/4W 1/8W 1/8W 3W 1/10W	R903 R905 R906 R909 R913	ERJ6GEYJ102 ERJ6GEYJ331 ERJ6GEYJ331 ERJ6GEYJ562 ERJ6GEYJ562	M M M M M	1K OHM 330 OHM 330 OHM 5.6K OHM 5.6K OHM	7 7 7 7	1/10W 1/10W 1/10W 1/10W 1/10W
R838 R839 R840 R841 R842	ERJ6GEYJ222 ERJ6GEYJ332 ERJ6GEYJ103 ERDS1FJ104 ERJ6GEYJ180	25202	2.2K OHM 3.3K OHM 10K OHM 100K OHM 18 OHM	7777	1/10W 1/10W 1/10W 1/2W 1/10W	R961 R975 R978 R979 R988	ERJ6GEYOROO ERJ6GEYJ101 ERJ6GEYJ101 ERJ6GEYJ101 ERJ6GEYJ102	N N N N	0 DHM 100 DHM 100 DHM 100 DHM 1K DHM	7 7 7	1/10W 1/10W 1/10W 1/10W 1/10W
R843 R847	ERJ6GEYJ103 ERJ6GEYK2R2	M	10K OHM 2.2 OHM	J K	1/10W 1/10W	R990 R991	ERDS2TJ103 ERDS2TJ103	c c	10K DHM 10K DHM	J	1/4W 1/4W

Ref.No.			Descri	ptio		Ref.No			Descri	ptic	n
	ERJ6GEYOROO	М	O DHM		1/10W	R1223	ERJ6GEYJ330	М	33 OHM	J	1/10W
	ERJ6GEYOROO	М	O OHM	_	1/10W		ERJ6GEYJ330	М	33 OHM	J	1/10W
ł	ERJ6ENF11R5	М	11.5 OHM	F	1/10W	R1231	ERJ6GEYJ331	М	330 OHM	J	1/10W
1	TAJADQ76R8FV	М	76.8 OHM	F	1/3W	R1232	ERJ6GEYJ100	М	10 OHM	J	1/10W
R1012	ERJ6GEYJ223	М	22K OHM	J	1/10W	R1233	ERJ6GEYJ330	М	33 OHM	J	1/10W
R1013	ERJ6GEYJ123	м	12K OHM	J	1/10W	R1240	ERJ6ENF2260	М	226 OHM	F	1/10W
1	ERJ6ENF3900	м	390 DHM	F	1/10W		ERJ6ENF3OR1	м	30.1 DHM	F	1/10W
1	TAJADQ75ROFV	М	75 OHM	F	1/3W		ERJ6GEYJ682	М	6.8K OHM		1/10W
	ERJ6GEYJ330	М	33 OHM	'n	1/10W	1 1		Ι.		J	
1	ERJ8GCYJ471	м	470 OHM	J	1/10W	1	ERJ6ENF1581 ERJ6ENF1053	М	1.58K OHM 105K OHM	F	1/10W 1/10W
				-			1		TOOK OIL	•	
	ERJ6GEYJ330 ERJ6GEYJ330	M	33 OHM	J	1/10W 1/10W		ERJ6GEYOROO	M	O DHM		1/10W
	ERJ6GEYJ331	М				ŧ	ERDS2TJ471		470 OHM	J	1/4W
		1	330 DHM	J	1/10W	R1257	ERDS1FJ330	С	33 OHM	J	1/2W
1	ERJ6GEYJ100	M	10 DHM	J	1/10W	R1261	ERJ6ENF2372	М	23.7K OHM	F	1/10W
R1033	ERJ6GEYJ330	М	33 DHM	J	1/10W	R1262	ERJ6ENF4532	М	45.3K OHM	F	1/10W
R1040	ERJ6ENF2260	М	226 OHM	F	1/10W	R1265	ERJ6GEYJ221	м	220 OHM	J	1/10W
R1041	ERJ6ENF29R4	М	29.4 OHM	F	1/10W		ERJ6GEYJ103	M	10K DHM	Ū	1/10W
3	ERJ6GEYJ682	М	6.8K OHM	Ù	1/10W		ERDS2TJ224	c	220K OHM	J	1/4W
	ERJ6ENF1581	М	1.58K OHM	F	1/10W	1 -	ERJ6GEYJ103	М	10K DHM	J	1/10W
_	ERJ6ENF1053	М	105K DHM	F	1/10W	1 1	ERJ6GEYJ103	М	10K DHM	J	1/10W
		[. COR OTHER	•	1, 10 m	1303	ENGOGETO 103	"		U	17 10W
I	ERJ6GEYOROO	M	O OHM		1/10W		ERJ6GEYJ101	М	100 DHM	J	1/10W
	ERDS2TJ471	C	470 OHM	J	1/4W	1 1	ERJ6GEYJ101	М	100 DHM	Ų	1/10W
1	ERDS1FJ330	c	33 OHM	Ā	1/2W		ERJ6GEYJ101	М	100 OHM	J	1/10W
	ERJ6ENF2372	М	23.7K OHM	F	1/10W	1 1	ERJ6ENF2372	М	23.7K OHM	F	1/10W
R1062	ERJ6ENF4532	М	45.3K OHM	F	1/10W	R1326	ERJ6ENF4641	М	4.64K OHM	F	1/10W
R1065	ERJ6GEYJ221	М	220 OHM	J	1/10W	R1327	ERJ6GEYJ470	М	47 OHM	J	1/10W
1	ERJ6GEYJ103	М	10K OHM	Ŭ	1/10W		ERJ6GEYJ102	М	1K OHM	J	1/10W
	ERDS2TJ224	c	220K DHM	Ũ	1/4W		ERJ6GEYJ683	М	68K OHM	J	1/10W
	ERJ6ENF11R5	M	11.5 OHM	F	1/10W	1 1	ERJ6GEYOROO	M		J	
1	TAJADQ76R8FV	М	76.8 OHM	F	1/10W	b I		M	O OHM	_	1/10W
	, AUMDWIGROFV	"	70.0 UNIV	r	1/3W	K1333	ERJ6ENF7501	IAI	7.5K OHM	F	1/10W
	ERJ6GEYJ223	М	22K OHM	J	1/10W	R1334	ERJ6ENF1002	М	10K OHM	F	1/10W
	ERJ6GEYJ123	М	12K OHM	J	1/10W		ERJ6GEYJ562	М	5.6K OHM	Ú	1/10W
R1114	ERJ6ENF1400	М	140 OHM	F	1/10W	1 1	ERJ6GEYJ223	М	22K OHM	Ũ	1/10W
R1120	TAJADQ75ROFV	М	75 OHM	F	1/3W	I I	ERJ6GEYJ123	М	12K OHM	Ũ	1/10W
1	ERJ6GEYJ330	М	33 OHM	J	1/10W		ERJ6GEYJ183	М	18K OHM	J	1/10W
R1122	ERJ8GCYJ471	М	470 OHM	J	1/8W	R1340	ERJ6GEYJ331	м	330 DHM	, 1	1/10W
	ERJ6GEYJ330	М	33 DHM	J	1/10W	1		C	-	J	
	ERJ6GEYJ330	M	33 OHM			1 1	ERDS1FJ682	_	6.8K OHM	J	1/2W
_	ERJ6GEYJ330	1		J	1/10W		ERQ14AJR47HK	-	0.47 OHM	J	1/4W
1	ERJ6GEYJ331 ERJ6GEYJ100	M M	330 OHM 10 OHM	J	1/10W 1/10W	I I	ERJ6GEYJ222	M	2.2K OHM	J	1/10W
132	LNOGGETOTO	1	10 OUM	J	17 1 0W	R1346	ERDS1FJ561	С	560 OHM	J	1/2W
1	ERJ6GEYJ330	М	33 OHM	J	1/10W		ERJ6ENF1241	М	1.24K OHM	F	1/10W
i .	ERJ6ENF2260	М	226 OHM	F	1/10W		ERJ6ENF1002	М	10K DHM	F	1/10W
R1141	ERJ6ENF26R7	М	26.7 OHM	F	1/10W	R1355	ERDS1FJ680	С	68 OHM	J	1/2W
1	ERJ6GEYJ682	М	6.8K OHM	J	1/10W	R1360	ERJ6GEYJ222	М	2.2K OHM	J	1/10W
R1144	ERJ6ENF1581	М	1.58K OHM	F	1/10W		ERJ6GEYJ563	M	56K DHM	Ĵ	1/10W
R1150	ERJ6ENF1053	м	105K OHM	F	1/10W	R1362	ERJ6GEYJ102	м	1K OHM	.,	1/10W
1	ERJ6GEYOROO	М	O DHM	•	1/10W		ERJ6ENF6192	1		J	
	ERDS2TJ471	c	470 OHM	J	1/10W			M	61.9K OHM	F	1/10W
	ERDS1FJ330	۲		_	1/4W 1/2W		EROS2CKF1004	1	1M OHM	F	1/4 W
b .	1	M	33 OHM	J			ERJ6GEYJ103	М	10K DHM	J	1/10 W
R1161	ERJ6ENF2372	М	23.7K OHM	F	1/10W	R1370	ERJ6GEYJ472	М	4.7K OHM	J	1/10W
1	ERJ6ENF4532	М	45.3K OHM	F	1/10W	1)	ERJ6GEYJ682	М	6.8K OHM	J	1/10W
1	ERJ6GEYJ221	М	220 DHM	J	1/10W		ERJ6GEYJ332	М	3.3K OHM	J	1/10W
R1166	ERJ6GEYJ103	М	10K OHM	J	1/10W	R1373	ERJ6GEYJ682	М	6.8K OHM	J	1/10 W
R1167	ERDS2TJ224	С	220K OHM	J	1/4W	R1374	ERJ6GEYJ153	М	15K OHM	Ű	1/10 W
R1207	ERJ6ENF11R5	M	11.5 OHM	F	1/10W		ERDS1FJ125	c	1.2M OHM	Ĵ	1/2 W
D1214	TALIADOZEDOEV	M	76 0 OUN	_	4 /01/	04000	ED ICCEV LARG		4 71/ 01/11		4 / 2 - 4 :
	TAJADQ76R8FV ERJ6GEYJ223	M	76.8 OHM 22K OHM	F J	1/3W 1/10W		ERJ6GEYJ472 ERJ6GEYJ152	M	4.7K OHM	J	1/10 W
,	ERJ6GEYJ123	M		J		1 1		M	1.5K OHM	J	1/10 W
1		1	12K OHM	_	1/10W		ERJ6GEYJ392	М	3.9K OHM	J	1/10 W
1	ERJ6ENF3900 TAJADQ75R0FV	M M	390 OHM 75 OHM	F	1/10W 1/3W	1 1	ERJ6GEYJ102 ERDS1FJ224	M C	1K OHM 220K OHM	J	1/10 W 1/2 W
		(, 5 5, 114	•	., .,	1336	-103110224	_	ZZVN UNIM	J	1/2 ₩
		М	33 OHM	J	1/10W			М	33 OHM	J	1/10 W
	ERJ8GCYJ471	М	470 OHM	J	1/8W		ERJ6GEYJ562	М	5.6K OHM	J	1/10 W

	Ref.No.	Part No.	Description		Ref.No.	Part No.	Description
	R1404 R1405 R1412	ERJ6GEYU561 ERJ6ENF1501 ERJ6GEYJ105 ERJ6GEYJ101 ERJ6GEYJ101	M 560 DHM J 1/10W M 1.5K DHM F 1/10W M 1M DHM J 1/10W M 100 DHM J 1/10W M 100 DHM J 1/10W	Δ	N893 N903 N1002A	TEL302-9 EMCSO451ML	TERMINAL TERMINAL 4P CONNECTOR(L-TYPE) PHONO PIN CONNECTOR PHONO PIN CONNECTOR
	R1415 R1501	ERJ6GEYJ103	M 1K OHM J 1/10W M 1K OHM J 1/10W M 10K DHM J 1/10W M 10K OHM J 1/10W	Δ	N1005 N1006 N1007-	TJSC00600 TJC85342T TJCD003 TSXX054 TJSF26615	CRT SOCKET LUG TERMINAL TERMINAL 1P/2P CONNECTOR ASSY 15P CONNECTOR(D-SUB)
		OTHERS TESAO27 THECO159 THE9O2N THTFOO1 TMKKO27	CRT PCB HOLDER SCREW(FOR CRT PCB HOLDER) D-SUB SCREW SCREW(FOR IC/TR/D) DOUBLE FACE TAPE		N1102A N1102B N1202A	TJSF09554 TJS8A4291 TJS8A4291 TJS8A4291 TJS8A4291	54P CONNECTOR PHONO PIN CONNECTOR PHONO PIN CONNECTOR PHONO PIN CONNECTOR PHONO PIN CONNECTOR
<u>↑</u>		TMMK030 TMM81417-1 TSC8908-0 TSXF134 TSXF135	INSULATION TUBE CORD BAND(BIG) FERRITE CORE PHONO PIN CABLE(GREY) PHONO PIN CABLE(RED)		N510-2 N510-3 N510-4 N901-1	TEL302-9 TEL302-9 TEL302-9 TEL302-9 TEL302-9	TERMINAL TERMINAL TERMINAL TERMINAL TERMINAL
		TSXF136 TUCC5095-1 TUCC5270 TUCC5271 TUWF034	PHONO PIN CABLE(BLUE) AC SOCKET BRACKET SHIELD CASE(CRT PCB) SHIELD PLATE(CRT PCB) BNC TERMINAL BRACKET	Δ	PC821 PC822 PC823 Q16	TEL302-9 0N3171 0N3171 HCNW4504 UN11004 TSEH0012	TERMINAL PHOTO COUPLER PHOTO COUPLER PHOTO COUPLER IC PROTECTOR(0.4A) RELAY
1	CL 1 CL 2 F8O1	XTV3+10J XYE3+EJ10 TMM85490 TUXX104 XBA2C50TB15L	SCREW SCREW LEAD CLAMPER WIRE CLIP FUSE(5.0A)	⚠	RL901 S371 S671 S1051	TSEHOO10 TAGAOOO5 TAGDSP141T TAGDSP141T	RELAY SPARK GAP SPARK GAP SPARK GAP
	F851 FG1 FG2 FG3 FG4	TSFX37A632 TJC85341 TJC85341 TJC85341 TJC85341	FUSE(6.3A) EARTH LUG EARTH LUG EARTH LUG EARTH LUG EARTH LUG		\$1251 \$1351 \$1355 \$1371	TAGDSP141T TAGDSP141T TAGDSP141T TAGDSP201MF TAGA0005	SPARK GAP SPARK GAP SPARK GAP SPARK GAP SPARK GAP
	FG5 FG6 FG7 FG8 FG9	TJC85341 TJC85341 TJC85341 TJC85341 TJC85341	EARTH LUG EARTH LUG EARTH LUG EARTH LUG EARTH LUG	4	SW991 SW992 SW993 SW994	ESB91274A EVQ33405R EVQ33405R EVQ33405R EVQ33405R	SWITCH(POWER) SWITCH SWITCH SWITCH SWITCH SWITCH
	FG 11 FG 101 FG 102	TJC85341 TJC85341 TJC85341 TJC85341 TJC85341	EARTH LUG EARTH LUG EARTH LUG EARTH LUG EARTH LUG	⚠	TH901 TP5	ERTB6SFL100P TAP108M7R0 TEL302-9 TAAA0005	THERMISTOR POSISTOR TERMINAL CRYSTAL OSCILLATOR
Δ		TJC85502T TJC85502T EMCSO464M TSXXO82 TJSF07805	FUSE HOLDER FUSE HOLDER 4P CONNECTOR 2P/3P CONNECTOR ASSY 5P CONNECTOR				
A A A	N1 00B N1 01	TJSF16305 TJSF07820 TJSF16320 TJSF18590 TJSF08012	5P CONNECTOR 20P CONNECTOR 20P CONNECTOR(L-TYPE) 2P CONNECTOR 12P CONNECTOR				
	1	TJSF07912 TJEA022 TJC85342T TJCD003 TJS8A9361	12P CONNECTOR(L-TYPE) HEAT SINK TERMINAL LUG TERMINAL TERMINAL AC SOCKET				
1	N8 61	EMCSO264M	2P CONNECTOR	<u> </u>			